

Florida International University
School of Computing and Information Sciences

Final Deliverable

Project: **Aviation Job Board Portal**

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Abstract

This document presents the information necessary to gain a good understanding of the Aviation Job Board Portal software solution. The Aviation Job Board Portal was conceived as a means to give jobseekers and employers in the aviation industry the capacity to create or apply to jobs. The website essentially has the same functionality as LinkedIn but for a specific niche industry. We intend to create a website in which job seekers are able to search for jobs, apply for jobs, look at available events, and build their user profile. For employers they will be able to post jobs and events, as well as build a profile for their company. Also, employers will be able to look for candidates by filtering jobseekers by their skills. This document presents the development process taken by the Summer 2020 team members and the Fall 2020 team members to create the Aviation Job Board Portal. This process is presented in the Scrum documentation produced during development and the UML diagrams generated by the development.

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Introduction

Current System

Currently, various online job boards exist that allow for companies to register for an account, create a profile with details about the company, create new job postings with details about the

available positions, and present these to potential job candidates in an easy to view manner. Additionally, these job boards typically allow for potential job candidates to register for an account, upload their resume to their profile, search for job postings from various companies, and apply for these jobs using either a job submission system or by submitting their resume directly to the employer.

Typically, these job boards are generic and allow for companies that operate in various different industries to post jobs across a variety of disciplines. This makes the sites more difficult to navigate as there is no unifying factor across the job postings.

To add to that, because of the general nature of these sites it may be difficult for job seekers to find specific jobs in an industry they desire.

Proposed System

Our proposed system would consist of a niche job board web application that will cater specifically to the airline industry. This should include all aspects of the airline industry so as to provide more opportunities for job seekers to find a new job.

Similar to the current system, our proposed system will allow for companies to register for an account, create a profile with details about the company, create new job postings with details about the available positions, and present these to potential job candidates in an easy to view manner. However, our proposed system will also allow for companies to post events such as job fairs, seminars, etc. and present them within our web application. Our proposed system will also include the ability for employers to review job applications, take interview notes. In addition, our system will allow employers to search for job candidates and filter them out by their skills, and allow them the ability to message them if they so desire.

Our proposed system will also utilize a resume parser housed within the job seeker's profile to identify skills that pertain to job postings. The skills will automatically be included in the job seeker's profile (if desired), and furthermore, send these skills to potential employers to make the selection of candidates an easier process. Our proposed system will include an events page tailored to job seekers, so that they may easily browse through events, sort events, paginate them, and RSVP events so that they may view the events they'll most likely attend.

To take this a step further, the proposed system will allow for job seekers to subscribe to company updates (new job postings, events, etc.) to receive email notifications for new information as it is posted.

User Stories

Implemented User Stories

1. As a jobseeker, I would like to be able to upload my resume and have the system automatically fill out my profile based on its contents so that I can spend less time building my profile.
2. As a jobseeker or company owner I should be able to log in to the site.
3. As a company owner, I would like to be able to view and edit my company profile page.
4. As a user I want to be able to log in to the site using LinkedIn.
5. As a jobseeker, I would like to have a profile that contains all of my information (skills, contact information, etc.) so that there is one place to find and update them.
6. As a jobseeker, I would like to see my current job applications in order to keep track of them and know how far along they are.
7. As company owner, I would like to have a company page that contains all of the company's information (description, news, job postings, and event postings) so that job seekers can learn about it and apply for jobs.
8. As a jobseeker, I would like to be able to search for jobs based on a multitude of criteria (location, salary, etc.) so that I can find the best fit for me.
9. As a user, I would like to be able to register for an account as either a jobseeker or employer based on my needs.
10. As a user, I would like to be presented with a landing page upon entering the website to familiarize myself with what's going on in the website.
11. As a user, I would like a navbar so that I can easily navigate the website.
12. As a developer, I would like to have UI mockups to know what the website should look like before I start coding.
13. As a jobseeker\employer, I would like to be able to change my account information including username and password.
14. As a developer, I would like to have a DB schema in order to understand how the website's database works.
15. As a developer, I would like to have a job model so that I can successfully program backend code related to jobs.
16. As a user, I would like a sidebar menu to quickly access relevant navigation items.
17. As a developer, I would like to incorporate Amazon's AWS into the backend of the project in order to have a simple to use web service for the job portal.
18. As a developer, I would like clear limitations on what each kind of user is allowed to do so that I code around them. So create decorators that will stop let's say jobseekers from

going to pages that are meant only for company owners, and do the same vice-versa for jobseekers.

19. As a job seeker, I should be able to favorite job posts and subsequently have the means to easily return to those job posts
20. As an employer, I should be able to search through a list of applications forwarded to my job posts and have options for making actionable decisions on those applications such as rejecting or hiring. Filter options should also be made accessible that allow specific applications to be easily found
21. As a job seeker, I would like to filter through job posts by type, salary, etc.
22. As a company owner, I would like to be able to view/edit applications to my posted job along with any documents attached to it.
23. As a job seeker, I would like to be able to apply to jobs and attach multiple files.
24. As a job seeker, I would like to be able to apply to a job with just one click.
25. As a job seeker, I should be able to view the company profile of a posted job.
26. As an Employer, I want to receive notifications when someone applies to one of my job postings
27. As a jobseeker, I want to receive notifications when an employer reviews my application and either accepts or denies it.
28. As a jobseeker, I want to be able to subscribe to companies to receive notifications when they post new jobs or events
29. As a jobseeker, I want to be able to include a profile picture with my Aviation Job Board Profile
30. As a company owner I want to be able to look at the jobs and events I posted.
31. As a company owner I want to be able to post, edit, and delete events.
32. As a company owner I want to be able to search for jobseekers and filter them by their name and/or skills, and email them if I desire.
33. As a jobseeker I want to be able to look at events in the events page. While looking at events I want to be able to sort, filter, and change how many events per page I want to see.
34. As a jobseeker I want to be able to RSVP for an event and then look at only the events I RSVP for.

Pending User Stories

1. Suggested Jobs/Candidates - As an employer\jobseeker I would like the system to match me with job seekers that match the skill sets and qualifications I'm looking for\employers looking for my skill sets and qualifications so I can spend less time searching.

Project Plan

Hardware and Software Requirements

The following is a list of all hardware and software resources that were used in this project:

- Python
- Django
- PostgreSQL
- JavaScript
- Bootstrap
- HTML
- CSS
- SCSS

The specific functions each of these technologies served are listed below:

Web Server: Django 3.0.8

Database Server: PostgreSQL 12.3

Back-End: Django 3.0.8, Python 3.8.5

Front-End: HTML, CSS, JavaScript, jQuery, and the Bootstrap Framework

Application tested for use in Apple's Safari, Google Chrome, Mozilla Firefox, and Internet Explorer

Sprint Plan Reports Capstone I Summer 2020

Sprint 1

- A Standard Index/Template HTML Page
 - **Description:** All html pages (web pages) on the platform must include the following essential elements for user interaction and site exploration:
 - A navigation bar with the platform title, links to other webpages, and important portals (like the login page)
 - A body structure/aesthetic
 - **Authors:** *Carlos Debasa*
- A Mockup for Home/Landing Page
 - **Description:** A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for the home/landing page which unregistered users will be directed to
 - **Authors:** *Carlos Debasa, Sebastian Rodriguez*
- An HTML Page for Log-In Page
 - **Description:** An HTML Page for the log-in page will need to be designed for users to navigate to where they can log into the website
 - **Authors:** *Dany Franco*
- Navigation Bar HTML Element
 - **Description:** A navigation bar within the website template/index page that includes links/buttons to other pages or portals will be necessary for users to access key information about the platform, their profile information, and other account related activities. These links include those that direct users to the following types of pages/portals:
 - Profile Viewing (“View Profile”). A page for the user to view and edit their profile information and settings
 - Notification Viewing (“Read Notifications”). A page for the user to read notifications
 - Message Viewing (“Read Messages”). A page for the user to read, send, or reply to messages
 - Login/Log-out portal. A portal that enables the user to either login into or logout of their account
 - **Authors:** *Dany Franco*

- A User Model in the Back-End Layer
 - **Description:** A model which outlines the fields and methods for objects representing registered users (either job seekers or employers) will need to be constructed
 - **Authors:** *Dany Franco*
- Processes for the Registration in the Backend Layer
 - **Description:** Back-end processes that handle the creation of new user objects will need to be implemented in order for newly coming users to be registered
 - **Authors:** *Dany Franco*
- Repository for User Story and Meeting Documents
 - **Description:** A collection for documents outlining all discussion points and user stories will need to be initialized to hold all such documentation. In addition, a set of such documentation involving our activities for Sprint 1 will need to be curated.
 - **Authors:** *Eric Bazan*
- Compilation of Software Requirements
 - **Description:** A document for tracking software and code modules used by are project will help to keep track of all of our projects dependencies
 - **Authors:** *Joel Echagarrua*
- Mockup for Job Search Page
 - **Description:** A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for the job search page which users will use to search for jobs
 - **Authors:** *Joel Echagarrua, Malachi Williams*
- Model for Job Posts in the Back-End Layer
 - **Description:** A model which outlines the fields and methods for objects representing job posts will need to be constructed
 - **Authors:** *Malachi Williams*
- Initialization of GitHub Repository
 - **Description:** A GitHub repository for holding all code files and having version control will need to be initialized
 - **Authors:** *Malachi Williams*

- Database Schema Chart of Back-End Layer
 - **Description:** A diagram that outlines essential models in the back-end layer will be necessary for planning the structure of all objects representing different entities in the platform
 - **Authors:** *Ryan Pineyro*

- Mockup for Company Profile Page
 - **Description:** A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for the company profile page which is a page all users registered as employers will utilize
 - **Authors:** *Sebastian Rodriguez*

- Mockup for Log-In Page
 - **Description:** A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for the log-inpage where users go to login into the website
 - **Authors:** *Sebastian Rodriguez*

- An HTML Page for User Profiles
 - **Description:** An HTML Page for the user profile page will need to be designed for job seekers to navigate to where they can view and edit their profile information (basic info., educational experience, professional experience, skills, etc.)
 - **Authors:** *Tinghui Zhang*

- User Profile Section for Editing Profile Information
 - **Description:** A section for editing profile information in the HTML page for the user profile page will need to be implemented in order for users to be able to change their basic profile information. Basic profile information that can be changed includes: name, nickname, email, phone number, address
 - **Authors:** *Tinghui Zhang*

- User Profile Section for Submitting Work Experience
 - **Description:** A section for displaying and submitting work experience in the HTML page for the user profile page will need to be implemented in order for users to be able to see and edit their work experience.
 - **Authors:** *Tinghui Zhang*

Sprint 2

- Extensions and Design Improvements for Navigation Bar HTML Element
 - **Description:** Other tabs for accessing other web pages in development will need to be added into the navigation bar. Additionally, the navigation bar should be redesigned to have a more aesthetically pleasing look and feel
 - **Author:** Carlos Debasa
- A Mockup for Registration Page
 - **Description:** A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for the registration page where unregistered users can create an account and register as a job seeker or an employer
 - **Author:** Carlos Debasa
- A Mockup for Home/Landing Page
 - **Description:** A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for the home/landing page which unregistered users will be directed to
 - **Authors:** Carlos Debasa
- Back-End Processes for Changing User Profile Information
 - **Description:** A back-end process that replaces a user's basic profile information with new information that a user submits will need to be implemented in order for a users to successfully edit their basic profile information. Also, is able to email the user at their specified email address to reset their password for security purposes.
 - **Author:** Dany Franco
- A Button for Logging in through Linked-In Profile
 - **Description:** A user should also be able to log into the website using their Linked-In profile. An additional log-in button on the registration page that directs users to log in through their Linked-In profile should be included to fulfill this use case. Required the implementation of the LinkedAPI to be used with our site.
 - **Author:** Dany Franco
- Updated DB Schema Chart
 - **Description:** An updated chart on the database schemas for instances such as jobs , user, and profiles will be necessary as a blueprint to gradually implement the needed features in each development cycle to come
 - **Authors:** Eric Bazan

- Mockup for Experimental Job Search Page
 - **Description:** A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for an experimental job search page used to test the retrieval and filtering of jobs
 - **Authors:** Joel Echagarrua

- An HTML Page for Search Results
 - **Description:** An HTML page for a search result page will need to be designed that will display set of job postings queried by a user's inputted search
 - **Author:** Joel Echagarrua

- Admin Page for Job Records
 - **Description:** Administrators of the website should be able to add, edit or remove jobs through a separate admin page with options that makes doing either straight forward
 - **Author:** Malachi Williams

- Time Checking Functions for Job Postings
 - **Description:** Jobs posts should be queried in searches only if the current date is not past their deadline date. Functions should be implemented in the back-end that check the date of all job posts and determine if they should continue to be retrievable through search queries
 - **Author:** Malachi Williams

- Function for Uploading Resumes within User Profiles
 - **Description:** Job seekers should be able to upload their resumes through a submission feature (button) in their user profile page. Uploading resumes will become useful for a user when they later apply to a job or to have the website parse their resume for applicable skills that can be listed in their profile. Back-end functions that prompt a user for a file and for storing a submitted file into that user's record in the database will need to be implemented in order to accomplish this
 - **Author:** Ryan Pineyro

- HTML Page for Landing/Home Page
 - **Description:** An HTML page for the landing/home page will need to be designed for unregistered users to enter at first
 - **Author:** Sebastian Rodriguez

- HTML Page for Company Page
 - **Description:** An HTML page for the company page will need to be designed in order for employers to display their companies information as well as their companies active job posts to job seekers
 - **Author:** *Sebastian Rodriguez*
- Design Improvement for User Profile Page
 - **Description:** The user profile HTML page should be updated to give the page a better design that enhances the aesthetics and usability of the page
 - **Author:** *Tinghui Zhang*

Sprint 3

- Improvements to Landing/Home Page Design
 - **Description:** The HTML page for the Landing/Home Page should be updated to give the page a better design that enhances the aesthetics and usability of the page
 - **Authors:** *Carlos Debasa*
- Search Bar Restyling in Landing/Home Page
 - **Description:** The HTML element for the search bar in the Landing/Home page should be updated to give the element a better design that enhances the aesthetics and better functioning for user inputting searches
 - **Authors:** *Carlos Debasa*
- Implementation of SASS Code for Optimal HTML Styling
 - **Description:** CSS code for certain HTML pages or elements should be replaced with SASS code to improve code optimization for styling
 - **Authors:** *Carlos Debasa*
- HTML/Backend work for Events Page
 - **Description:** An HTML page for the events page will need to be designed in order for employers to post events pertaining to their companies which viewers can read. Some work was done in the backend as well for future implementation of an events page.
 - **Authors:** *Dany Franco*
- Installation of PostgreSQL Database System

- **Description:** The database system should be transferred from SQLite to PostgreSQL which is a more sophisticated database system that should optimize database operations
- **Authors:** *Dany Franco*
- Updated DB Schema Chart
 - **Description:** An updated chart on the database schemas for instances such as jobs , user, and profiles will be necessary as a blueprint to gradually implement the needed features in each development cycle to come
 - **Authors:** *Eric Bazan*
- Updated Mockup for Job Search Page
 - **Description:** A wireframe diagram will be necessary for thoroughly planning the layout and the design of a new job search page that, compared to other job search pages whose purposes were for experimentation, will be for users to search for jobs
 - **Authors:** *Eric Bazan*
- Compiled Mock Data
 - **Description:** A list of exemplary job objects or job posts will need to be compiled and uploaded in order to thoroughly test different operations on the website that involve handling or displaying job posts
 - **Authors:** *Joel Echagarrua*
- An HTML Page for Search Results
 - **Description:** An HTML page for a search result page will need to be designed that will display set of job postings queried by a user's inputted search
 - **Author:** *Joel Echagarrua*
- Form for Job Post Admin Page
 - **Description:** A form for the job post admin page will need to be developed in order to specify what type of information is submitted by an admin on the page
 - **Authors:** *Malachi Williams*
- Loading/Testing Mock Data
 - **Description:** The mock data for job posts will need to be populated into the database and all site operations that deal with job posts will need to be thoroughly tested and debugged
 - **Authors:** *Malachi Williams*
- Skill Section in User Profile Page
 - **Description:** A section for skills will need to be added in the user profile page so users can list specific skills

- **Authors:** *Ryan Pineyro*
- Set-Up AWS Server
 - **Description:** The websites database will be hosted on an AWS server which will need to be set up
 - **Authors:** *Ryan Pineyro*
- HTML Page for Company Page
 - **Description:** An HTML page for the company page will need to be designed in order for employers to display their companies information as well as their companies active job posts to job seekers
 - **Author:** *Sebastian Rodriguez*
- Improvement to Registration Page Design
 - **Description:** The HTML page for the registration page should be updated to give the page a better design that enhances the aesthetics and usability of the page
 - **Authors:** *Sebastian Rodriguez*
- Function for Adding Work Experience and Education
 - **Description:** Functions for allowing the user to input work experience and education will need to be implemented for the user profile page
 - **Authors:** *Tinghui Zhang*

Sprint 4

- Improvements to Landing/Home Page Design
 - **Description:** The HTML page for the Landing/Home Page should be updated to give the page a better design that enhances the aesthetics and usability of the page
 - **Authors:** *Carlos Debasa*
- Top Job Category & Recent Job Section in Landing/Home Page
 - **Description:** The Landing/Home page should have sections that allow users to view the top category of jobs (administration, financing, I.T., etc.) and the most recently posted jobs.
 - **Authors:** *Carlos Debasa*
- Form & Model for Company Profile Page

- **Description:** A model which outlines the fields and methods for objects representing company profiles will need to be constructed. Additionally, a form for the company profile page will need to be developed in order to specify what type of information is submitted for a company profile object.
- **Authors:** *Dany Franco*
- Establishment of User Groups in Back-End Layer
 - **Description:** Objects for users will need to be divided into two categories: job seekers, or employers. These are the two main actors on the platform where they, while sharing some cases (such as viewing some of the same pages), will have their own exclusive privileges (e.g. job seekers get to apply for job postings while employers create job postings).
 - **Authors:** *Dany Franco*
- Back-End Processes for Company Profile Registration
 - **Description:** Back-end processes that handle the registration of employers and subsequently the creation of their company profiles will need to be implemented in the back-end layer
 - **Authors:** *Dany Franco*
- HTML Page for Job Search Page
 - **Description:** An HTML page for a search page will need to be designed for users to search and filter through jobs that are retrieved from search parameters they input
 - **Authors:** *Eric Bazan*
- UML Case Diagram
 - **Description:** A UML case diagram that outlines the use cases between actors such as job seekers and employers should be designed to plan the back-end processes that will be required to handle the use cases between them
 - **Authors:** *Joel Echagarrua*
- Geolocation Data in Job Post Model
 - **Description:** Job posts will need to hold geolocation data (e.g. latitude, longitude, etc.) based off their addresses to make distance calculations between locations possible so the job post model must have a fields to hold this data filtering jobs based on location or distances from a location possible for users on the job search page
 - **Authors:** *Malachi Williams, Joel Echagarrua*
- Distance Calculation Functions for Job Search Filter
 - **Description:** A function for calculating distances between two locations using geolocation data needs to be implemented for make filtering jobs based on location or distances from a location
 - **Authors:** *Malachi Williams*

- Parse Page

- **Description:** Once a user uploads their resume, they should be directed to an intermediate page where they are shown what information the platform's parser has discerned from that user's resume and be prompted with whether they wish to proceed with that parsed information being edited into their profile.
- **Authors:** *Ryan Pineyro, Sebastian Rodriguez*

- Connecting Postgres and AWS Server to Project

- **Description:** The Postgres database needs to be placed within the AWS server and server needs to be connected to our projects platforms
- **Authors:** *Ryan Pineyro*

- HTML Page for the Message/Forum Page

- **Description:** An HTML page for the message page will need to be designed for users to read and send messages between each other
- **Authors:** *Sebastian Rodriguez*

- Functions for Deleting Work Experience and Education in User Profile Page

- **Description:** Users should be able to delete their entries for work experience and education in their user profiles so functions in the back-end that allow for this need to be implemented in the back-end layer
- **Authors:** *Tinghui Zhang*

Sprint 5

- Redirect Page

- **Description:** Once a user logs onto the website, they should be redirected to a starting page that's relevant for them. A job seeker should be directed to the job search page, whereas the employer should be redirected to their company profile page. An intermediate page where a user should visit between logging in and going to their intended starting page needs to be created that will handle initiating the redirect based on the type of user that logged in
- **Author:** *Carlos Debas, Dany Franco, Ryan Pineyro*

- Sidebar Menu in Home Landing Page

- **Description:** A user who's logged in should have access to a sidebar with navigation links

- **Author:** Carlos Debasa

- Decorators for User Groups
 - **Description:** To enforce the use cases between job seekers and employers, decorators which take the form of access rules and protective routes will need to be implemented in the back-end layer
 - **Author:** Dany Franco

- Edits to the company profile
 - **Description:** Some tweaks and changes done to the company profile such as plugging in the post job to be able to post jobs from the company profile and be able to view them. Also, added the field to change also the banner in the company profile page.
 - **Author:** Dany Franco

- Technical Fixes to Job Search Page
 - **Description:** Several bugs that cause errors on the job search page need to be fixed
 - **Author:** Eric Bazan

- User Story Documentation Organization
 - **Description:** All the User Story Documents will need to be organized into a directory for the Final Deliverable that will need to be submitted at the projects deadline
 - **Author:** Eric Bazan

- Introduction and Outline for Final Deliverable Document
 - **Description:** The documents in the final deliverable will include a document that gives a general overview on our project. We should begin working on fleshing this document by writing an outline (section titles, appendices, etc.) and begin writing the introduction
 - **Author:** Joel Echagarrua

- Geolocation Data in Job Post Model
 - **Description:** Job posts will need to hold geolocation data (e.g. latitude, longitude, etc.) based off their addresses to make distance calculations between locations possible so the job post model must have a fields to hold this data filtering jobs based on location or distances from a location possible for users on the job search page
 - **Authors:** Malachi Williams

- Filter Engine for Job Search Page
 - **Description:** A filter engine which returns search queries with job posts that are relevant to a users search will need to be implemented to make the job searching process straightforward

- **Author:** *Malachi Williams*
- Back-End Processes for Skills Section in User Profile Page
 - **Description:** Back-end processes that handle the retrieval of a user's set of skills from the database will need to be implemented in the back-end layer
 - **Author:** *Ryan Pineyro*
- Back-End Processes for Job Application Statuses
 - **Description:** Small back-end layer processes will need to be implemented that populate the application status section of a user's profile page with the statuses of their job applications
 - **Author:** *Ryan Pineyro, Tinghui Zhang*
- Parse Page
 - **Description:** Once a user uploads their resume, they should be directed to an intermediate page where they are shown what information the platform's parser has discerned from that user's resume and be prompted with whether they wish to proceed with that parsed information being edited into their profile.
 - **Authors:** *Ryan Pineyro*
- Section for Application Statuses in User Profile
 - **Description:** A section for application statuses in the HTML page for the user profile page will need to be implemented in order for users to see the status of their submitted applications to job posts they've applied for
 - **Author:** *Sebastian Rodriguez*
- Improvement to Company Profile Page Design
 - **Description:** The HTML page for the company profile page should be updated to give the page a better design that enhances the aesthetics and usability of the page
 - **Author:** *Sebastian Rodriguez*
- Redirect Function for Looking Up Company Profile Pages from Job Search Page
 - **Description:** A user when clicking on the "company page" button for a job post in the job search page should be redirected to that company profile page. Functions that handle performing this procedure need to be implemented in the back-end layer
 - **Author:** *Tinghui Zhang*

Sprint 6

- [Final Deliverable] Code File Directory

- **Description:** This directory should contain an organized directory of files that make-up our platform's website and include the following files:
 - A README.txt file which explains the directory structure for the code files
 - An SQL file within a "Database" directory that recreates the back-end database (tables, triggers, etc.) that our website uses
- **Authors:** ALL TEAM MEMBERS

- [Final Deliverable] Documents Directory

- **Description:** This directory will contain all of the project documents composed throughout all development cycles. These documents include the daily meeting documents, the planning meeting documents, the backlog grooming meeting documents, and the review documents. Additional that will be contained in this directory include:
 - A shortcomings/wishlist document that outlines what's attributes/features to the platform are missing and what could be added in future development cycles
 - An installation guide that thoroughly explains the necessary requirements (third-party software, code modules, etc.) and step-by-step instructions for setting up and running the website
 - A user manual that explains how to navigate and use the website
- **Author:** ALL TEAM MEMBERS

- [Final Deliverable] Posters Directory

- **Description:** This directory will contain all posters from each team member
- **Author:** ALL TEAM MEMBERS

- [Final Deliverable] Presentational Slides Directory

- **Description:** This directory will contain a powerpoint file that presents the entire project
- **Author:** ALL TEAM MEMBERS

- [Final Deliverable] Video Directory

- **Description:** This directory will contain an html page that includes links to four videos on this project's designated youtube channel. These four videos cover the following subjects respectively:
 - The Project's Software Solution

- How the Project's Software Solutions is Utilized for each Actor of our Website.
Note: This could possibly covered through more than one video
 - Software & Project Installation, Maintenance, and Development Guide
 - The Project Shortcomings and WishList
 - **Author:** ALL TEAM MEMBERS
- [Final Deliverable] Video Directory
 - **Description:** This directory will contain an html page that includes links to four videos on this project's designated youtube channel. These four videos cover the following subjects respectively:
 - The Project's Software Solution
 - How the Project's Software Solutions is Utilized for each Actor of our Website.
Note: This could possibly covered through more than one video
 - Software & Project Installation, Maintenance, and Development Guide
 - The Project Shortcomings and WishList
 - **Author:** ALL TEAM MEMBERS

Sprint Plan Reports Capstone II Fall 2020

Sprint 1

- User Story 1 Clone Current GitHub Repository in to new Repository
 - **Description:** Take the work from the previous project and clone it into a new Repository with a new development branch to continue working on the project.
 - **Author:** Ryan Pineyro
- User Story 2 Set up local Development Environment and Database
 - **Description:** All developers involved in the project will set up their own local Development Environment and a local PostgreSQL database for development and testing.
 - **Author:** All Team Members
- User Story 3 Investigate and Prioritize Pending User Stories and Shortcomings
 - **Description:** Review the Final Deliverable Documentation from the last semester's project and prioritize work on the Pending User Stories and Shortcomings before the second half of the first sprint.
 - **Author:** All Team Members
- User Story 4 Apply to Job including user profile and resume (jobseeker)
 - **Description:** Users should be able to apply for jobs by attaching files, the application will contain attached files and the profile of the applicant. The user can view current applications in their user profile.
 - **Author:** Ryan Pineyro

Sprint 2

- User Story 5 Review Job Application (employer)
 - **Description:** Employer's should be able to review applications that are sent to them. They should be able to filter the applications, view attached files, and view the profile of the applicant.
 - **Author:** Ryan Pineyro
- User Story 6 Improve user profile and resume section
 - **Description:** Need to add an interface and back end for uploading profile pictures. Some sections of the user profile aren't working correctly.
 - **Author:** Joel Echagarrua
- User Story 7 Fix error in search page/home page for jobseekers
 - **Description:** Currently search page won't appear if there are no jobs in the query.
 - **Author:** Eric Bazan
- User Story 9 Fix Top Search Bar
 - **Description:** The Top Search bar for the Job Search isn't displaying properly or at all throughout the website.
 - **Author:** Eric Bazan
- User Story 10 Automated emails for job applications/notifications
 - **Description:** Look into Django email systems to use for sending automated emails on job statuses and other notifications.
 - **Author:** Joel Echagarrua
- User Story 11 Search for Users page
 - **Description:** This page will be a very simplistic design where a company owner will look at a table of jobseekers and instantly view their non-private information. This page will need a search bar that will be used to search for jobseekers by their name or filter by their skills.
 - **Author:** Dany Franco

Sprint 3

- User Story 12 Front-End Design for Application Page
 - **Description:** The front-end implementation for the candidate application page still needs to be completed. Currently, the main elements of the page have been implemented (e.g. sidebar, filter table, etc.) and the page as a whole needs to be transferred to the project files.
 - **Author:** Eric Bazan
- User Story 13 Filters for viewing applications.
 - **Description:** Added buttons for testing various filters. We will add filters for viewing applications of a specific job listing. Add filters for searching for applicant name. Filter based on current status of application.
 - **Author:** Ryan Pineyro

- User Story 15 Events Page
 - **Description:** A page where users can view company events and RSVP for them:
 - Needs to display events' name, location, date of event being posted, and date of event. Also show which company posted the event.
 - Allow for company owners to post an event.
 - Allow jobseekers to RSVP for an event, and allow company owners to view who RSVP for such an event.
 - Allow jobseekers to be able to click on the event's company owner and send them to the company owner's page.
 - Have a separate list for events the jobseeker has already RSVP for.
 - Be able to filter events by name, location, and companies.
 - Be able to sort the events by name, date posted, or date of event.
 - Make two views for this page if possible, a grid view (simple table view), and one where the events can be viewed as cards.
 - Add pagination for this page and allow jobseekers to be able to choose the pagination interval.
 - Send an email to the jobseeker to thank them for RSVP-ing to the event.
 - **Author:** Dany Franco
- User Story 10 Automated emails for job applications/notifications
 - **Description:**
 - Email notifications were added to updating profile
 - Email Notifications were also added to applying for a job to notify the jobseeker that they have successfully applied
 - Email notifications were created to notify the Company Owner for a new application to their job, but there are no connections between the company owner email and the company profile - Will need to add a column to the Company Profile table for a notification email to be specified for the company.
 - Email notifications were created for status changes on applications, but have not been finished.
 - **Author:** Joel Echagarrua

Sprint 4

- User Story 10 Automated emails for job applications/notifications
 - **Description:** Email notifications were added to updating profile
 - Email Notifications were also added to applying for a job to notify the jobseeker that they have successfully applied
 - Email notifications were created to notify the Company Owner for a new application to their job, but there are no connections between the company owner email and the company profile - Will need to add a column to the Company Profile table for a notification email to be specified for the company.

- Email notifications were created for status changes on applications, but have not been finished.
 - **Author:** Joel Echagarrua
- User Story 14 Subscription Button on Company Pages
 - **Description:** There already exists a button for subscribing/following a company page but there yet the functionality for registering that action needs to be implemented and what specific behaviors occurring when clicked need to be added
 - **Author:** Joel Echagarrua
- User Story 15 Events Page
 - **Description:** Needs to display events' name, location, date of event being posted, and date of event. Also show which company posted the event.
 - Allow for company owners to post an event.
 - Allow jobseekers to RSVP for an event, and allow company owners to view who RSVP for such an event.
 - Allow jobseekers to be able to click on the event's company owner and send them to the company owner's page.
 - Have a separate list for events the jobseeker has already RSVP for. ▪ Be able to filter events by name, location, and companies.
 - Be able to sort the events by name, date posted, or date of event.
 - Make two views for this page if possible, a grid view (simple table view), and one where the events can be viewed as cards.
 - Add pagination for this page and allow jobseekers to be able to choose the pagination interval.
 - Send an email to the jobseeker to thank them for RSVP-ing to the event.
 - **Author:** Dany Franco
- User Story 16 Jobseeker profile view(employer side)
 - **Description:** Currently user profiles cannot be viewed by a company owner. I will create a page to display whatever information the user has put in his profile.
 - **Author:** Ryan Pineyro
- User Story 17 Written Catalogue for Web Page Statuses, Bugs/Issues, and Notes
 - **Description:** A comprehensive catalogue for all web pages (which details all information mentioned in the title for each web page) will be useful for taking account of all webpages and their finalizations toward the end of the project
 - **Author:** Eric Bazan
- User Story 18 Jobseeker Profile Creator
 - **Description:** As a job seeker I would like to create my profile immediately after signing up. I would like to input my basic information as well as my education and work experience.
 - After profile setup redirect users to the resume parser page so they can input their resume as well.
 - **Author:** Ryan Pineyro
- User Story 19 Fix Navbar

- **Description:** I plan to fix the entire navbar by erasing the code in the base.html and beginning fresh to rewrite the links in the navbar.
- Also the template tags for the navbar to display only certain links depending on the user/page need to be rewritten and fixed.
- Decorators may also be added to certain pages or to the navbar.
- **Author:** Eric Bazan & Dany Franco

Sprint 5

- User Story 21 Automated emails for company owners for new application submissions
 - **Description:** An email notification template was created to notify the Company Owner for a new application to their job, but there is no connections between the company owner email and the company profile - Need to add a column to the Company Profile table for a notification email to be specified for the company.
 - **Author:** Joel Echagarrua
- User Story 14 Subscription Button on Company Pages
 - **Description:** Added a button for subscribing to company updates on job search
 - The model for subscribing has been created.
 - Created a form to confirm the email address
 - Still working on hooking the functionality up
 - **Author:** Joel Echagarrua
- User Story 15 Events Page
 - **Description:** Allow jobseekers to RSVP for an event, and allow company owners to view who RSVP for such an event.
 - Allow jobseekers to be able to click on the event's company owner and send them to the company owner's page.
 - Have a separate list for events the jobseeker has already RSVP for.
 - Make two views for this page if possible, a grid view (simple table view), and one where the events can be viewed as cards.
 - Send an email to the jobseeker to thank them for RSVP-ing to the event.
 - **Author:** Dany Franco
- User Story 17 Written Catalogue for Webpage Statuses, Bugs/Issues, and Notes
 - **Description:** Only the a page for the job search page is necessary to be completed
 - **Author:** Eric Bazan
- User Story 19 Fix Navbar
 - **Description:** I plan to fix the entire navbar by erasing the code in the base.html and beginning fresh to rewrite the links in the navbar.
 - Also the template tags for the navbar to display only certain links depending on the user/page need to be rewritten and fixed.
 - Decorators may also be added to certain pages or to the navbar.
 - **Author:** Eric Bazan & Dany Franco
- User Story 22 Update/Add Side Dashboard for all Job Seeker Pages

- **Description:**All pages accessible to the job seeker should have the side dashboard as seen in the job search page with all the most current, up-to-date features.
- A new Django code block (similarly set up for the navbar) should be made to make this task simple
- **Author:** Eric Bazan
- User Story 23 Company Profile Page (backend)
 - **Description:**Currently the company profile page has parts that are ready to be filled with data but the placeholder data was never replaced. So currently we need to link the backend for jobs events and various other things.
 - **Author:** Ryan Pineyro

Sprint 6

- User Story 14 Subscription Button on Company Pages
 - **Description:**Added a button for subscribing to company updates on job search
 - Unable to complete implementation before end of sprint
 - **Author:** Joel Echagarrua
- User Story 25 Favorite Job Posts
 - **Description:**Job Seekers should be able to favorite job posts by clicking on a job posts corresponding favorite button and have the job search page link for that job post into the favorited job section within that users side dashboard
 - **Author:** Eric Bazan
- User Story 22 Update/Add Side Dashboard for all Job Seeker Pages
 - **Description:**While some of the main pages have this side dashboard integrated there are some that have this dashboard overlapping with their main content. There are also several other axillary pages that need this dashboard added
 - **Author:** Eric Bazan
- User Story 15 Events Page
 - **Description:**Allow jobseekers to RSVP for an event, and allow company owners to view who RSVP for such an event.
 - Allow jobseekers to be able to click on the event's company owner and send them to the company owner's page.
 - Have a separate list for events the jobseeker has already RSVP for.
 - Send an email to the jobseeker to thank them for RSVP-ing to the event.
 - **Author:** Dany Franco
- User Story 26 LinkedIn button
 - **Description:**As we progressed with the project, the LinkedIn button became obsolete, and no longer served a purpose, I'm trying to see if I can still make it serve a purpose. I would like to try to use the LinkedIn button to allow for users to get their username and password from their LinkedIn account, and

then get prompted and ask whether they are a Company owner or a Jobseeker and then just make an account like usual. If not possible, I don't see the need for this feature anymore, because our site has been expanded so much it's better to have new users just go through our current login and registration system to create their own accounts and profile. The LinkedIn button only serves the purpose to use the same username and password as your LinkedIn account.

- **Author:** Dany Franco
- User Story 27 Filters on Job Search Page
 - **Description:**Currently the filters on the job search page have limited functionality. The user should be able to filter the posts by various filters such as job type, salary, location etc..
 - **Author:** Ryan Pineyro
- User Story 28 Quick Apply System
 - **Description:**The user should be able to apply to jobs quickly by attaching a predesignated resume that is uploaded to their user profile.
 - The User will be prompted for whether or not they want to use the pre uploaded resume when they apply for a job.
 - Users can update their uploaded resume by uploading it on their user profile.
 - **Author:** Ryan Pineyro

Sprint 7

- User Story 14 Subscription Button on Company Pages
 - **Description:**Added a button for subscribing to company updates on job search
 - Associated jobseekers to companies when they click subscribe
 - Still need to implement notifications for new job and event posts for subscribed companies
 - **Author:** Joel Echagarrua
- User Story 29 Create Secrets File for Project
 - **Description:**Create a secrets file to store all credentials
 - Migrate all local variables referencing credentials to the secrets file
 - **Author:** Joel Echagarrua
- User Story 22 Update/Add Side Dashboard for all Job Seeker Pages
 - **Description:**At this time, we are only concerned with having the side dashboard be only the main pages of our site (e.g. the home page, the user profile, company profile, events page... etc.). Rather than be housed within the base template page, the side-dashboard will be manually inserted in those pages with any necessary changes included to have it appear on those sites without any graphical issues
 - **Author:** Eric Bazan

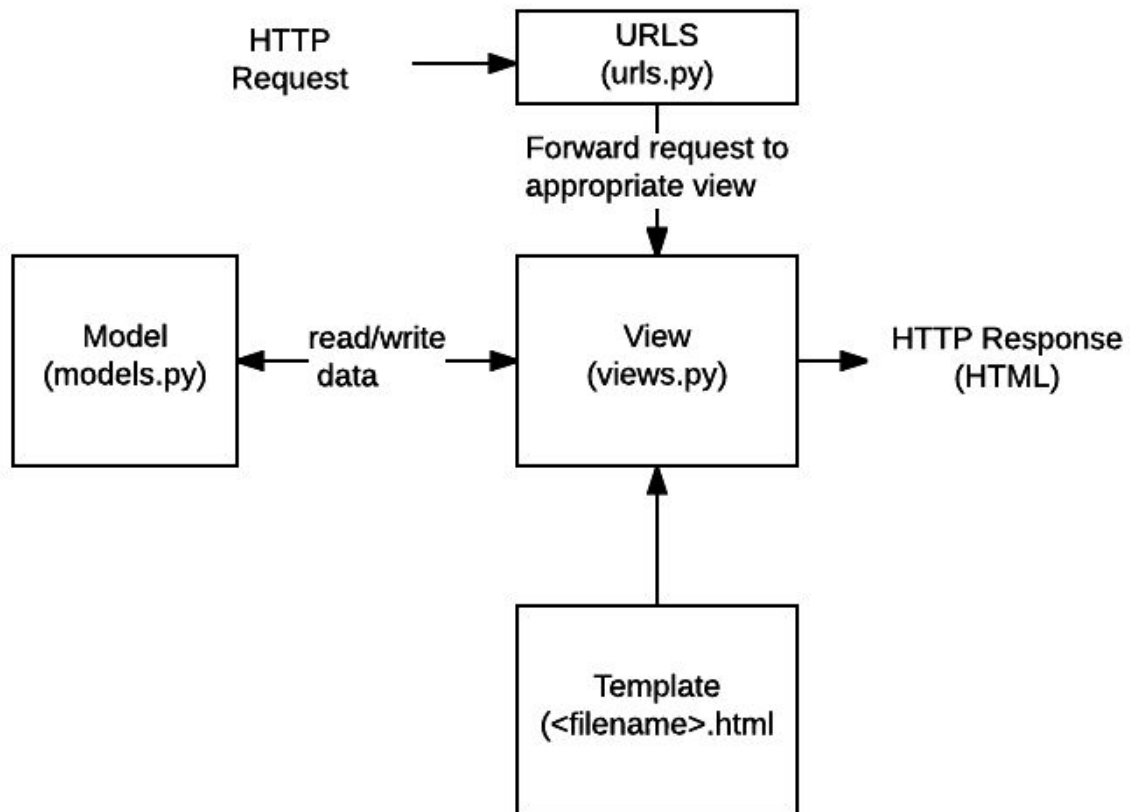
- User Story 32 Tweak Favorite Button Stylings
 - **Description:**The graphics for the favorite buttons on the search page should indicate whether the button has been pressed or not (whether the “favoriting” is in effect)
 - **Author:** Eric Bazan
- User Story 26 LinkedIn button
 - **Description:**Something is up with the LinkedIn API, it needs to be fixed to get up and running again.
 - Test to see if a LinkedIn user is able to make a company profile and have company owner functionalities.
 - **Author:** Dany Franco
- User Story 30 Create Individual Posters
 - **Description:**All team members will need to create individual posters as defined by the professor, highlighting the work they have contributed to the project
 - Posters are due November 30th .
 - **Author:** All Team Members
- User Story 31 Final Deliverable Documents
 - **Description:**All team members will need to work on the final deliverable documents and videos
 - The final deliverables are due December 14th
 - **Author:** All Team Members
- User Story 32 AWS server
 - **Description:**Currently all data is being hosted locally.
 - We'd like to set up an aws server for our presentation and final deliverables so we can all be working on the same database.
 - **Author:** Ryan Pineyro

Sprint 8

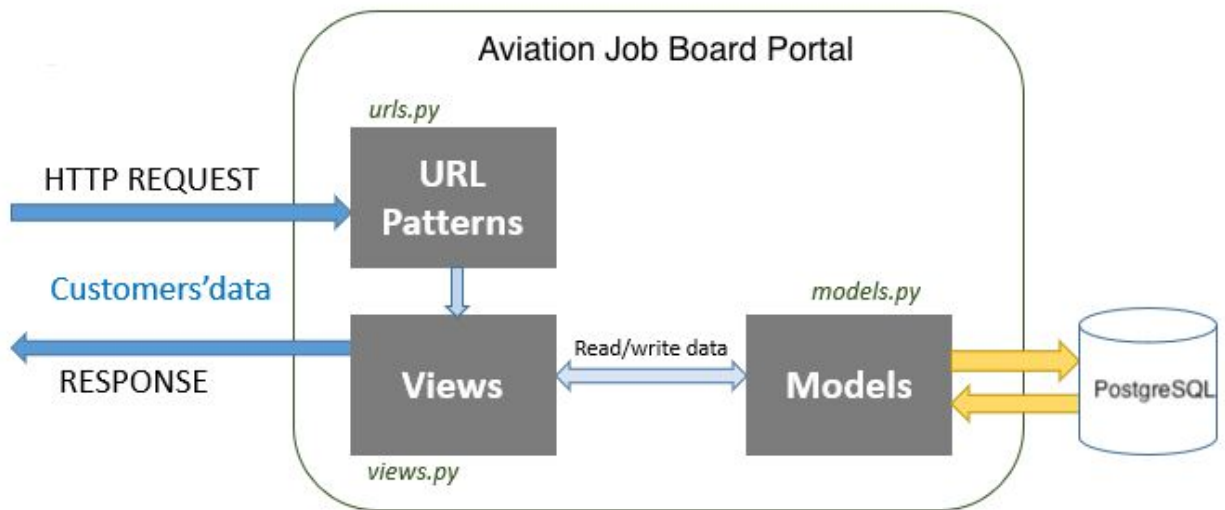
- User Story 31 Final Deliverable Documents
 - **Description:**All team members will need to work on the final deliverable documents and videos
 - The final deliverables are due December 14th
 - **Author:** All Team Members

System Design

Architectural Patterns



Django Architecture Diagram for the Aviation Job Board Portal



Database integration for the Aviation Job Board Portal

System and Subsystem Decomposition

Within Django we are able to create apps where we would build the model, views, and any other files/properties this app may have needed. Our aviation-project directory holds all the main files for our django framework to function the way we'd like. Inside this directory you will find our folder aviation where our settings.py and urls.py files lie for our project. Here we customize the settings for our project in the settings.py and in the urls.py we configured all of our paths to all of our different pages in our site. In the settings we also add all of our packages that we pip installed, as well as providing the path for certain directories in our project like the template, media, and static directory.

In addition, we separated the projects into different apps where they controlled certain related featurings under that directory. We used the aviation_job_board directory to add the views for the templates that don't really belong to any app, but are more generalized for the site. An example of this would be like the base, index, and a few other templates.

Furthermore, for the postjob directory we have our jobform and jobtype models where this handles the jobs and basically makes them the objects that they are. Here lies the templates that will have the html pages that will hold the jobform forms and other job related html pages. The views file holds our views that will manipulate these html pages so that the jobform appears and the jobs are created and manipulated in the way that benefits the page.

We also have our users app/directory that holds our login/register system, resume parser system, user profile, company profile, user groups, and user search page. This directory has its own templates folder that holds the html pages for our pages that deal with the features mentioned, the forms.py holds all of our forms that allow for the different user groups to register,

create their accounts and profiles, and the update forms to update those profiles. There is also a `decorators.py` that will allow us to restrict jobseekers from pages that are exclusive to company owners and vice versa restrict company owners from viewing exclusive jobseeker pages. This is then wrapped up with the `views.py` that will handle how everything is later than outputted to our html files that deal with the features that worked on under the users app/directory.

We also have app directories for apply, events app, and candidate application page. In apply you can find the models for job applications and quick apply system. In the events app you can find the html, views, and models for our events page. Lastly the candidate application page contains the views and html for viewing applications as a company owner.

Finally, all of our directories except for the main aviation one, will have a migration folders that allow us the developers to make changes to the model which are then migrated to fit the new accommodation in both our project and the database. Once the project is running Django will handle how all these apps were constructed and will run the project as intended.

Deployment

Our project is deployed through the use of Django's framework by composing itself with all of the neatly placed code in all of the apps included in our site. Django will recognize the way we placed everything together and run our server in a localhost. As for our database, we changed the database engine to the PostgreSQL engine where we convert all of our objects into tables in our new database. The database is run on AWS (Amazon Web Services) where all of our developers were able to add onto the database and create objects (users, jobs, profiles, and resumes) for our site and view them as tables where we can inspect the columns and see if they hold the attribute we wanted them to. With pgAdmin we are also able to view the tuples we create and see if their foreign key matches up with what we linked certain objects with. Lastly, our project is then run with all of its packages, models, and database running to provide the site we deploy.

Design Patterns

The design pattern for our project is based heavily on the way that the Django framework is structured. We created similar directories such as the `postjob`, `user`, and `aviation_job_board` where they all contain similar `.py` files that deal with the certain features that are implemented under that directory as well as a `templates` folder where we put our html files that provide the front-end work/pages that deal with the features that we created under those directories. An example of our design pattern is like having the `users/models.py` have the model for our user and other `.py` files that provide ways we can manipulate our user object, and then use the `view.py` file to then access the html files in the `users/templates` directory to add the user object in the html files that deal with the user object.

System Validation

- Multiple test users were used to register them as both jobseekers and company owners. This was used to make sure that the users created were put in the correct user group (company owner or jobseeker).
- During the registration process we made sure that the correct fields were present, and once filled we checked that they correctly saved all the information.
- Test logging in with different test users.
- Check both the jobseeker and company owner profile to see if information is correctly being displayed, and is able to be edited and updated.
- Check to see if navbar is displaying the correct links depending on the user who is logged in (company owner or jobseeker).
- Check to see if decorators are preventing jobseekers from looking at pages only accessible for company owners. Also check if company owners are not able to access pages meant for only jobseekers.
- Test to see if company owners are able to post, view, edit, and delete both jobs and events correctly in the company profile page.
- Test to see if filters, sorting, and pagination all work in pages that include such features such as the job search page, events page, candidate applications page, and user search page.
- Try multiple cases of trying to submit a resume in a jobseeker profile, and having the skills be collected correctly from such resumes
- Test applying (and quick apply) for a job as a jobseeker, then check with a company owner test user to see if we are able to view the application, take notes, and change the status on the jobseeker's application.
- Test with multiple jobseeker accounts to see if their profile was built correctly when using a resume to build the profile.
- Check our emailing functionalities such as when a jobseeker is subscribed to a company owner page, that the jobseeker is able to receive email notifications alerting them that the company owner has indeed performed the action of posting a job or event. Also, check if messages sent to job seekers in the user search page are working correctly.
- Go through all the pages in site and see how the side dashboard looks, and correct the div tag if necessary.
- Try favoriting jobs as a jobseeker, and then checking to see if the side dashboard is holding favorited jobs.
- In all web pages check to see if all the pages are clear and easily viewable/accessible for the users.

Glossary

AWS - Amazon Web Services, a cloud based computing service

Bootstrap - Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development

Company Owner - an Actor utilizing our web platform to post available jobs for their company

CSS - Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language like HTML.

Django - A Python web framework

HTML - HyperText Markup Language

Job Seeker - an Actor utilizing our web platform to search for new jobs

NLTK - Natural Language Toolkit, a leading platform for building Python programs to work with human language data.

PostgreSQL - a powerful, open source object-relational database system

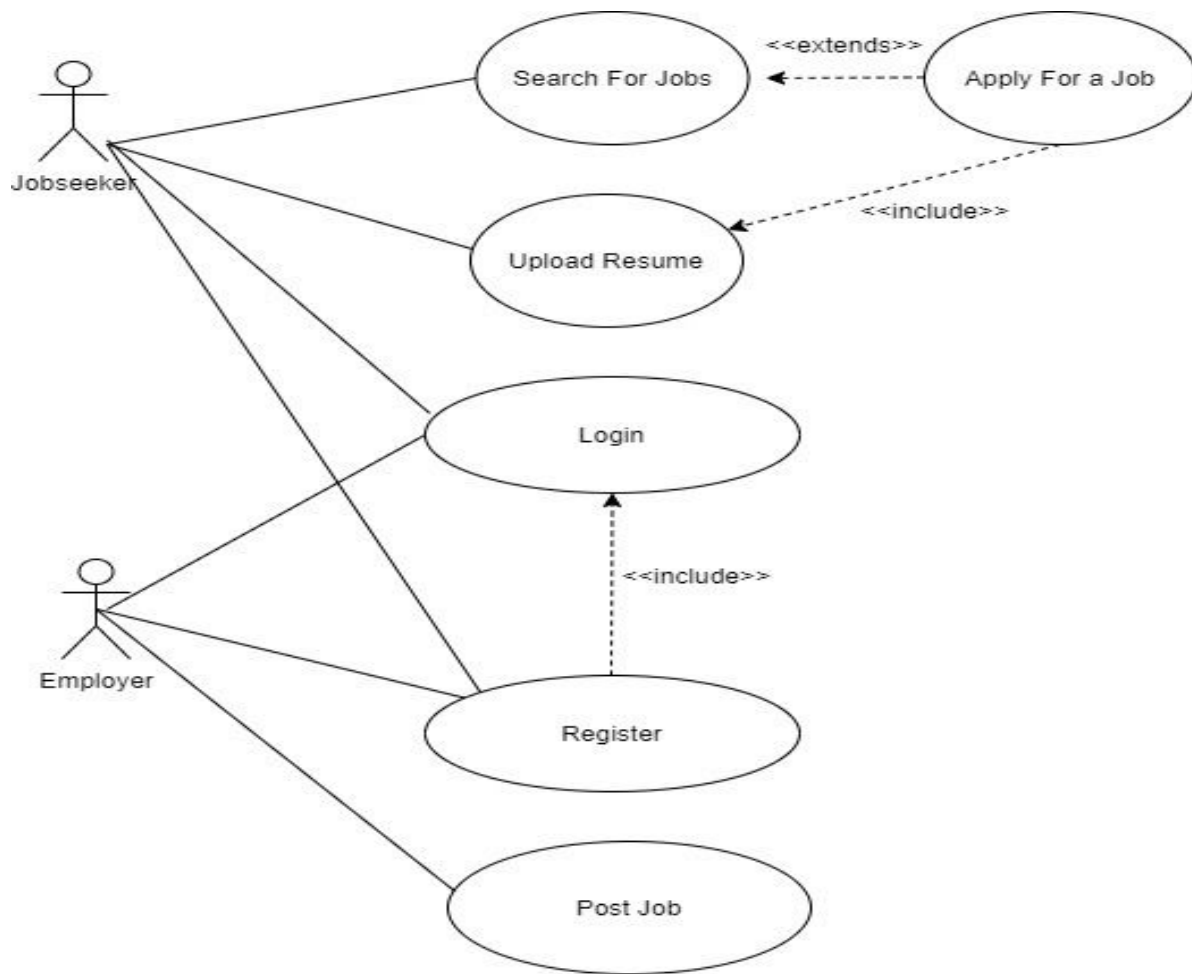
Pyresparser - A simple resume parser used for extracting information from resumes

Sass - Sass is a stylesheet language that's compiled to CSS.

SCSS - a Sass-compliant syntax

Appendix A - UML Diagrams

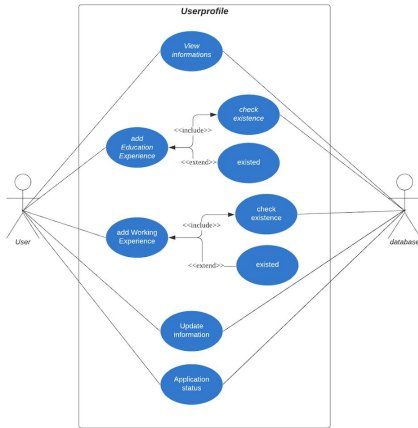
Sebastian Rodriguez - General UML Diagrams for entire project:



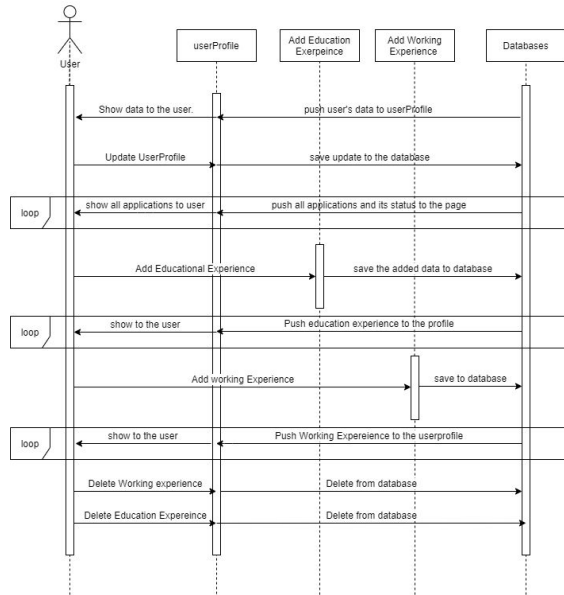
By Sebastian Rodriguez

Tinghui Zhang - UML diagrams for userprofile part:

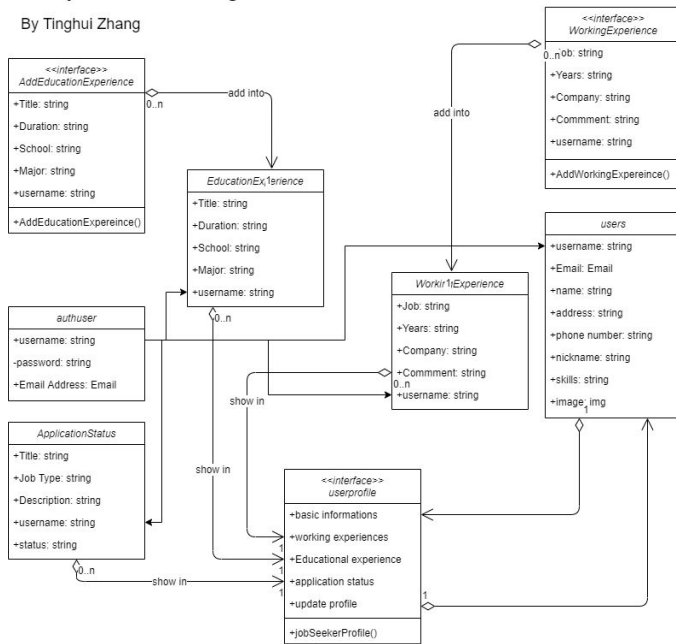
Userprofile Use case diagram
By Tinghui Zhang



Sequence diagram for Userprofile
By Tinghui Zhang

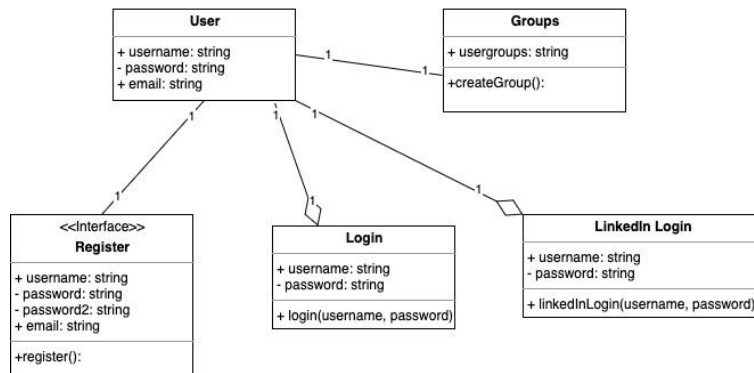


Userprofile Class Diagram
By Tinghui Zhang

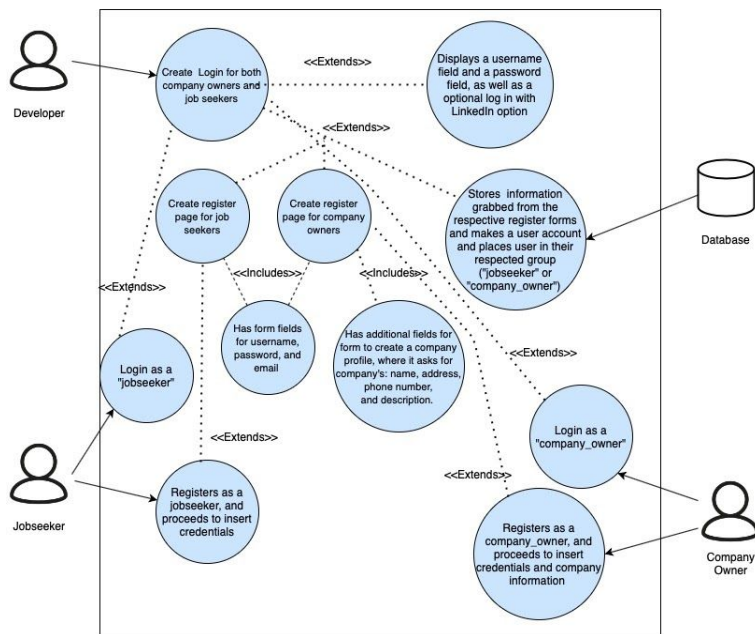


Dany Franco - UML Diagrams for Login/Registration system

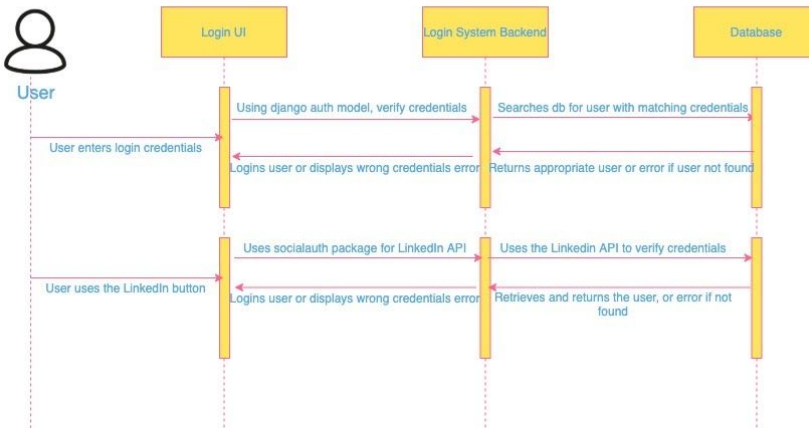
UML Class Diagram Login System - Dany Franco



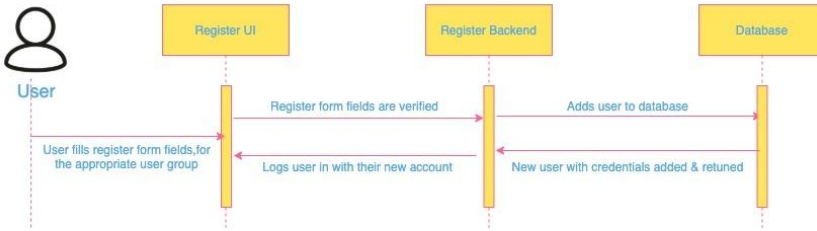
Use Case Diagram Login System - Dany Franco



Sequence Diagram #1 Login System - Dany Franco

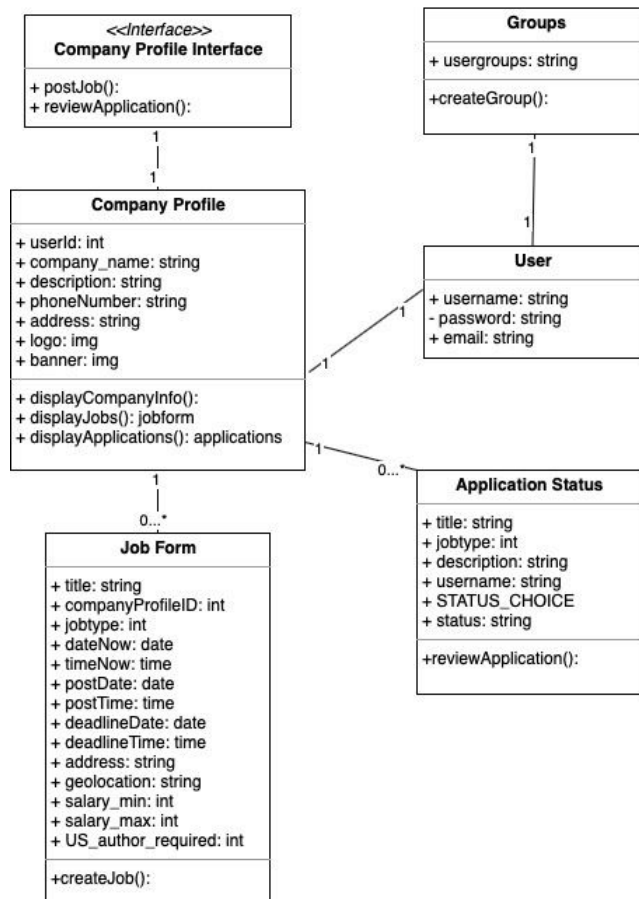


Sequence Diagram #2 Register System - Dany Franco

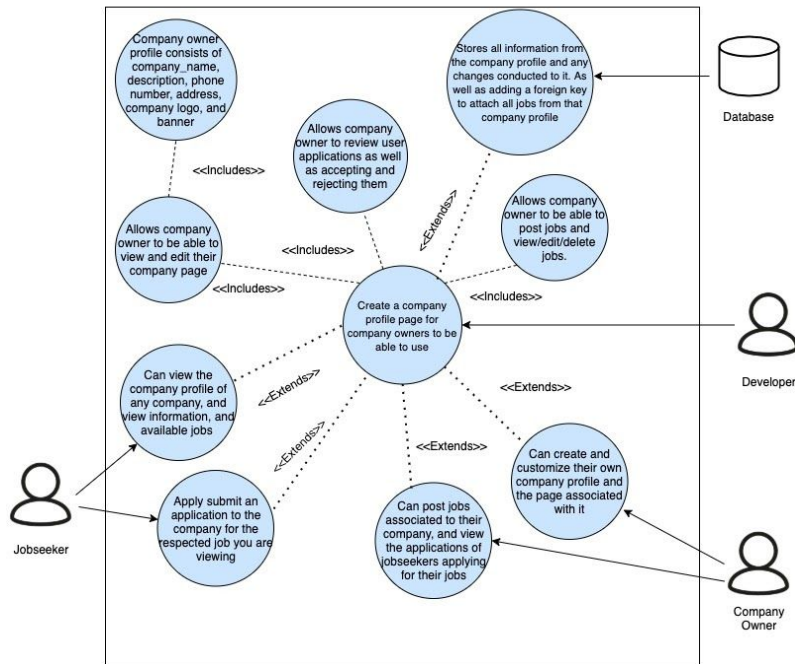


Dany Franco - UML Diagrams for Company Profile

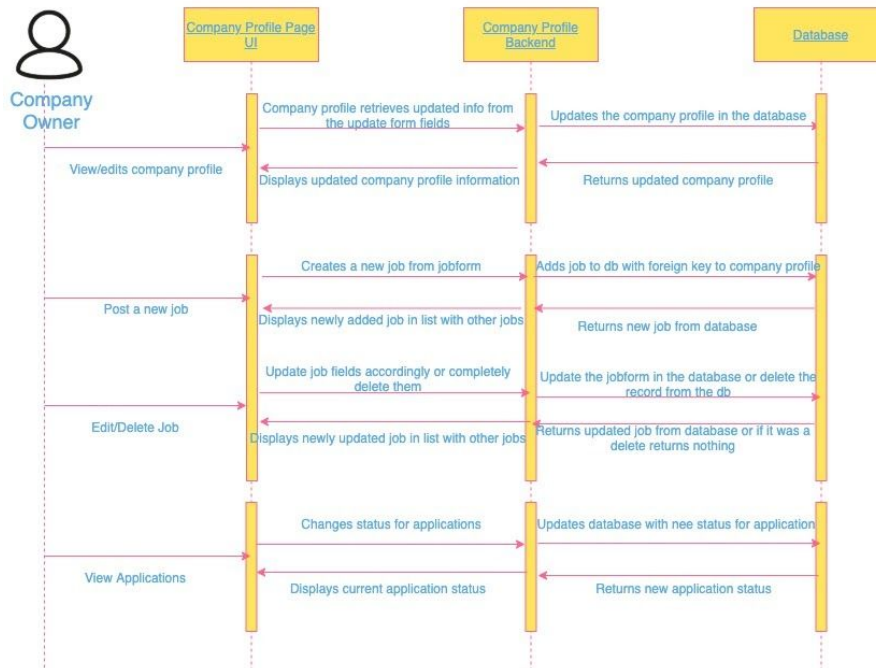
UML Class Diagram Company Profile - Dany Franco



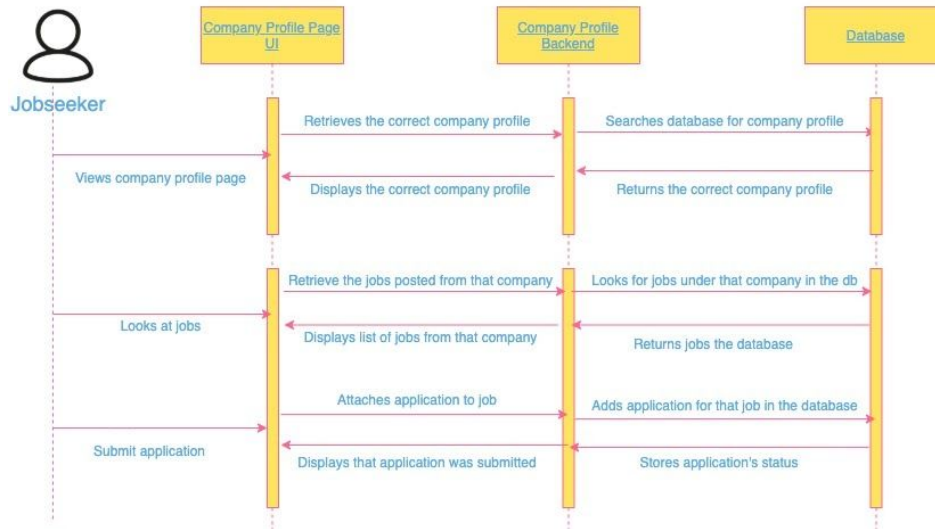
Use Case Diagram Company Profile - Dany Franco



Sequence Diagram #1 Company Profile - Dany Franco

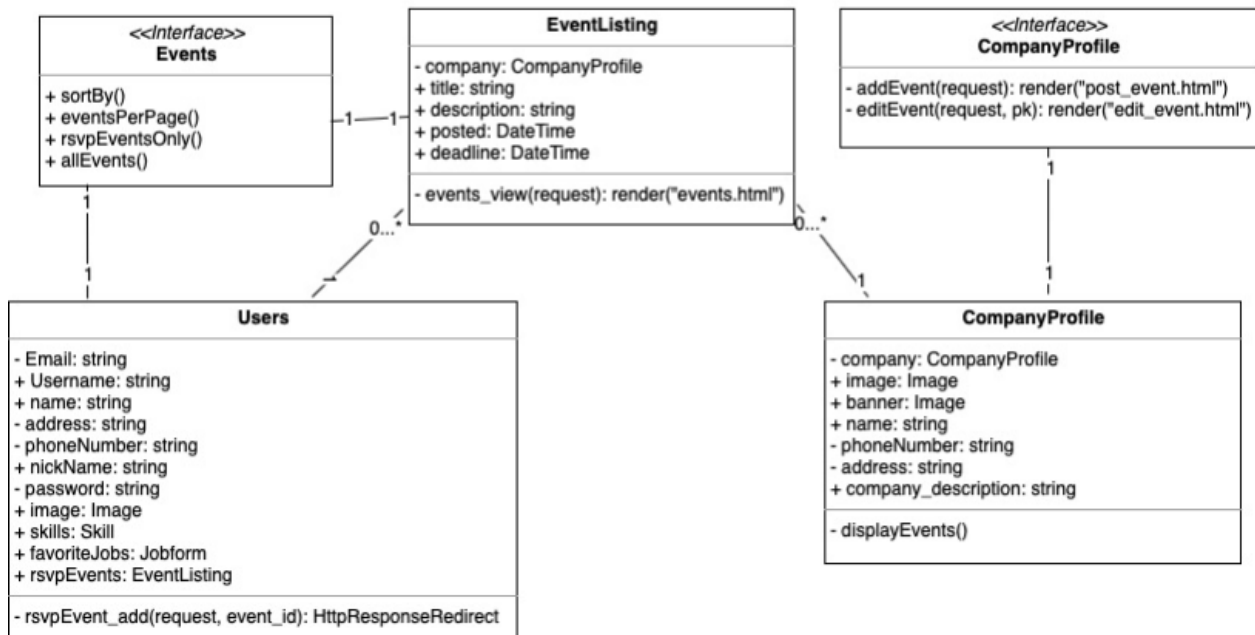


Sequence Diagram #2 Company Profile - Dany Franco

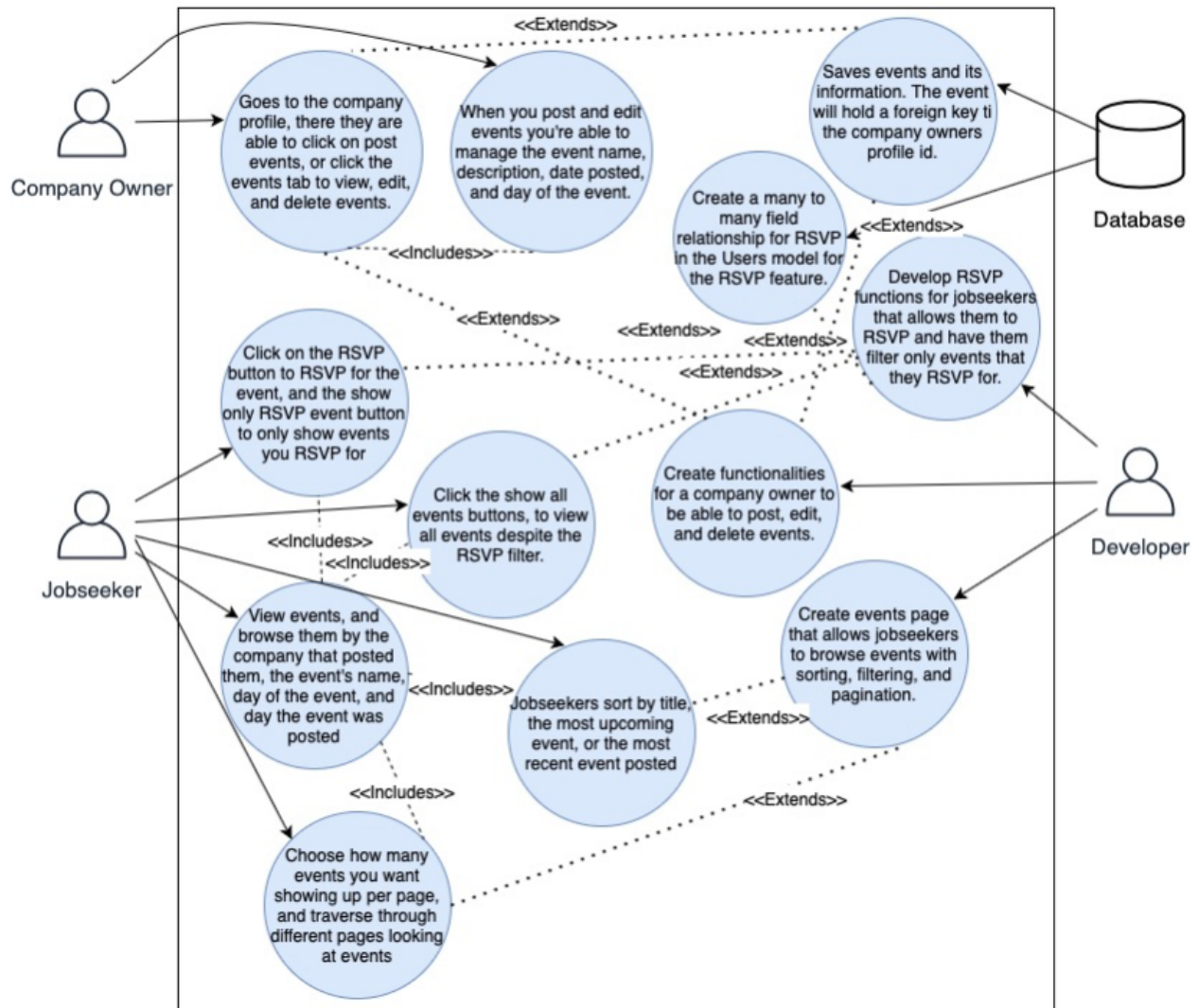


Dany Franco - UML Diagrams for Events

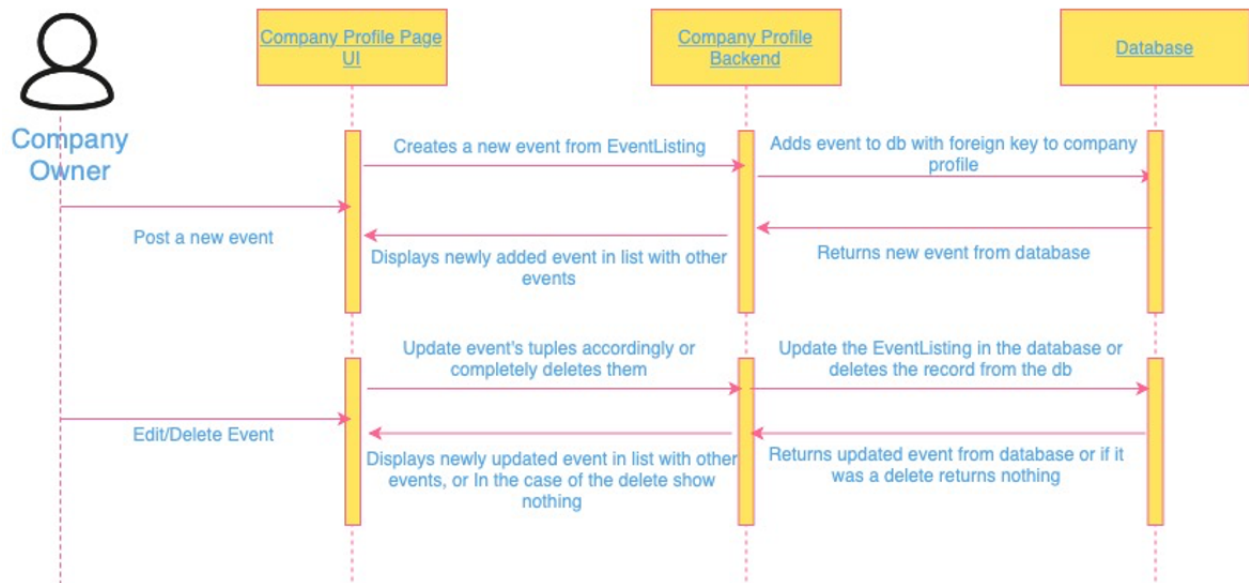
UML Class Diagram Events - Dany Franco



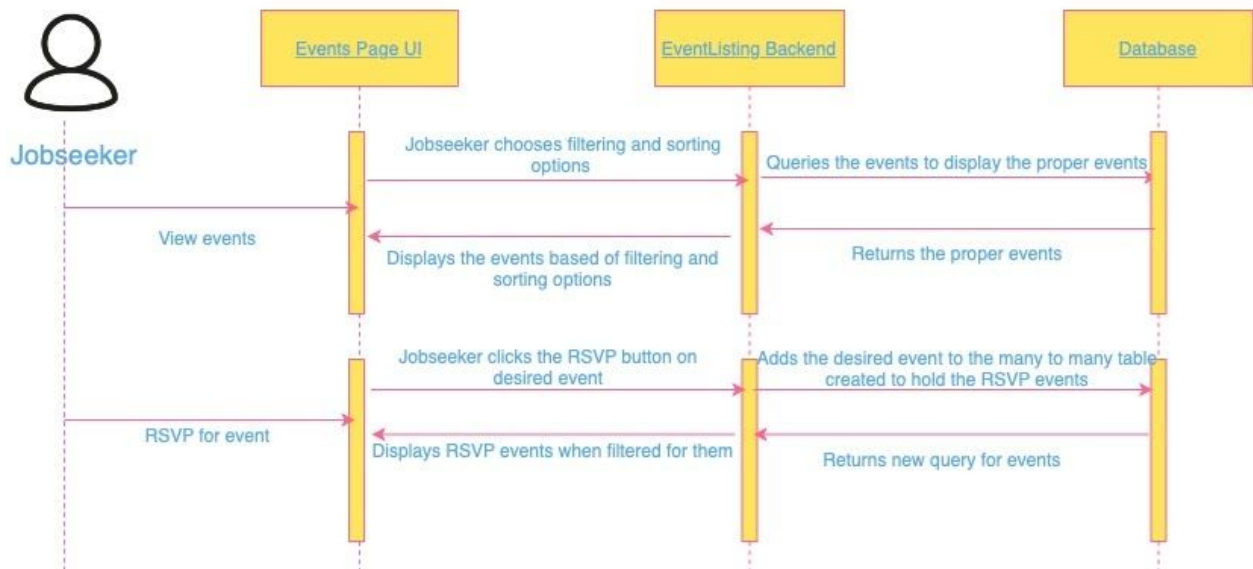
Use Case Diagram **Events - Dany Franco**



Sequence Diagram #1 Events - Dany Franco



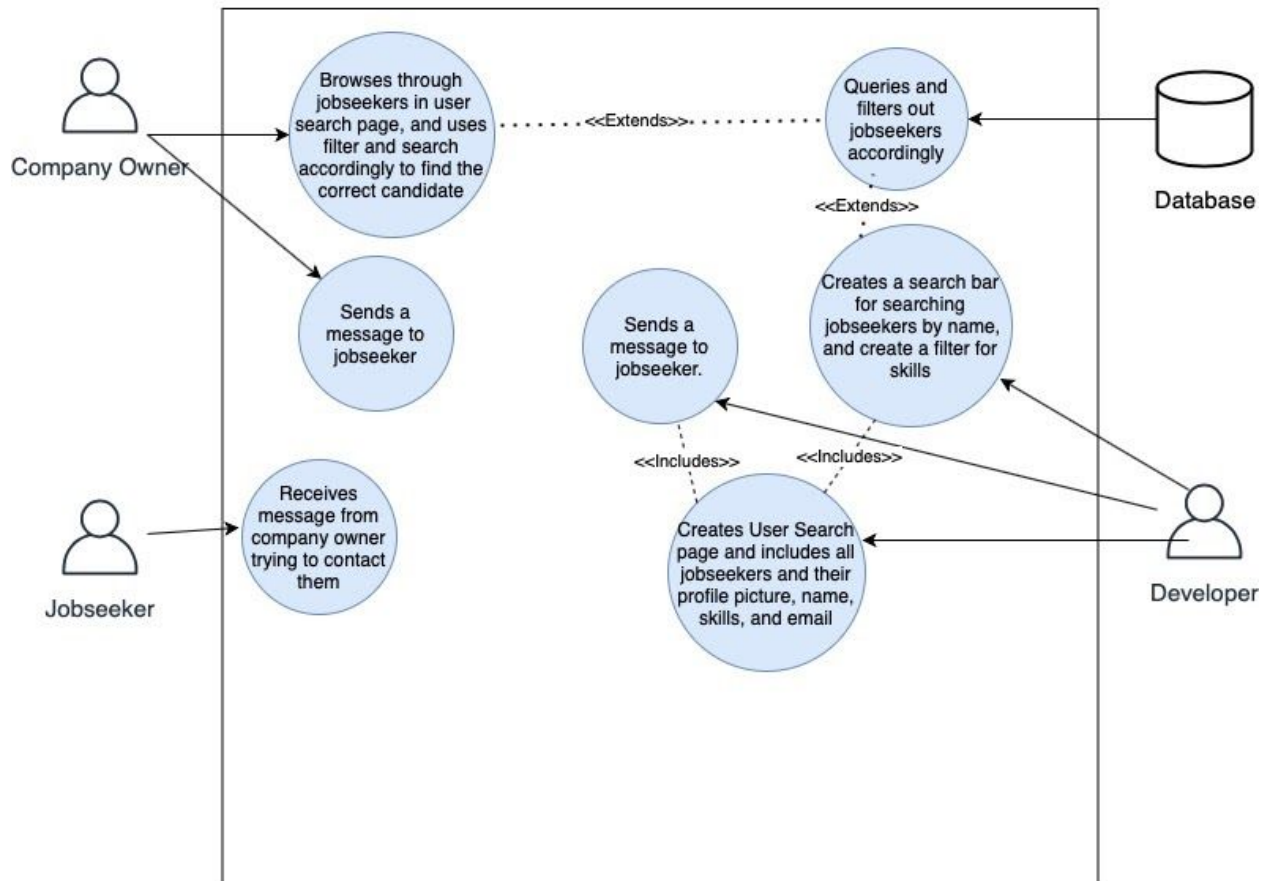
Sequence Diagram #2 Events - Dany Franco



Dany Franco - UML Diagrams for User Search page

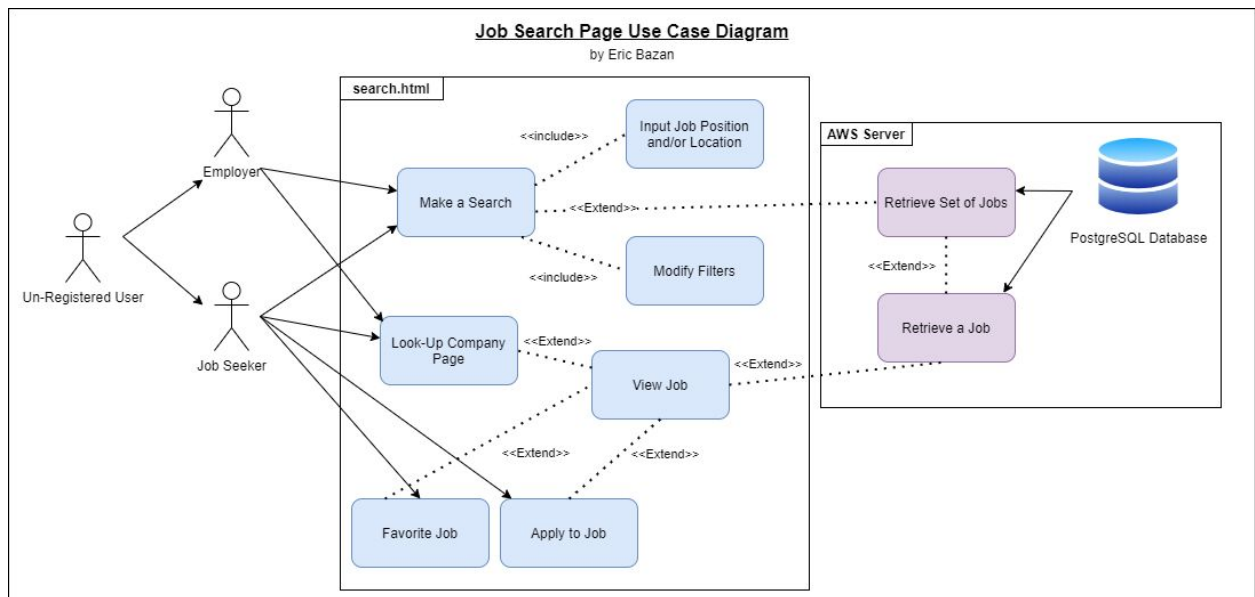
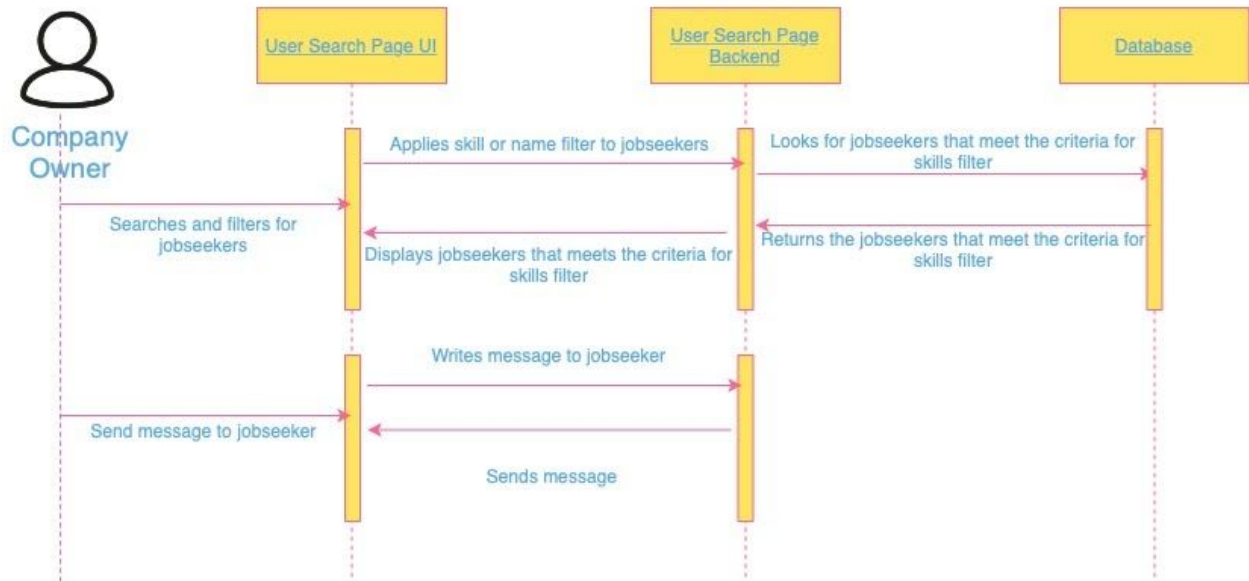
Use Case Diagram

User Search page - Dany Franco



Sequence Diagram

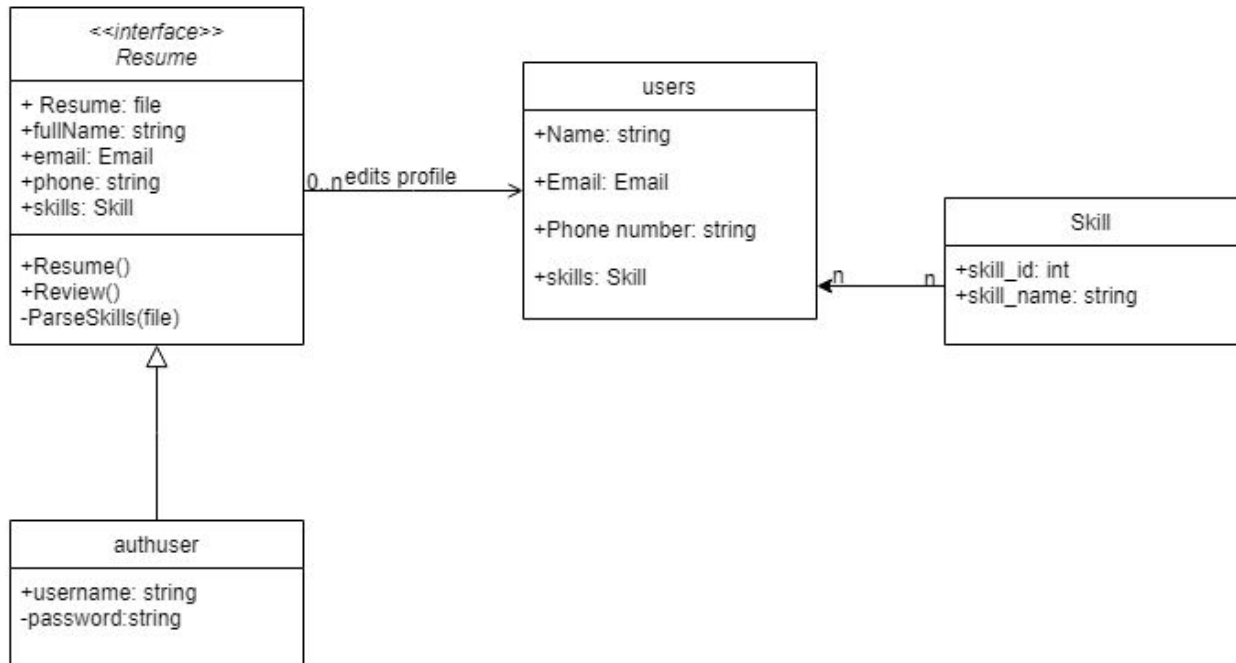
User Search page - Dany Franco



Ryan Pineyro/Sebastian Rodriguez - UML diagrams for Resume Parser

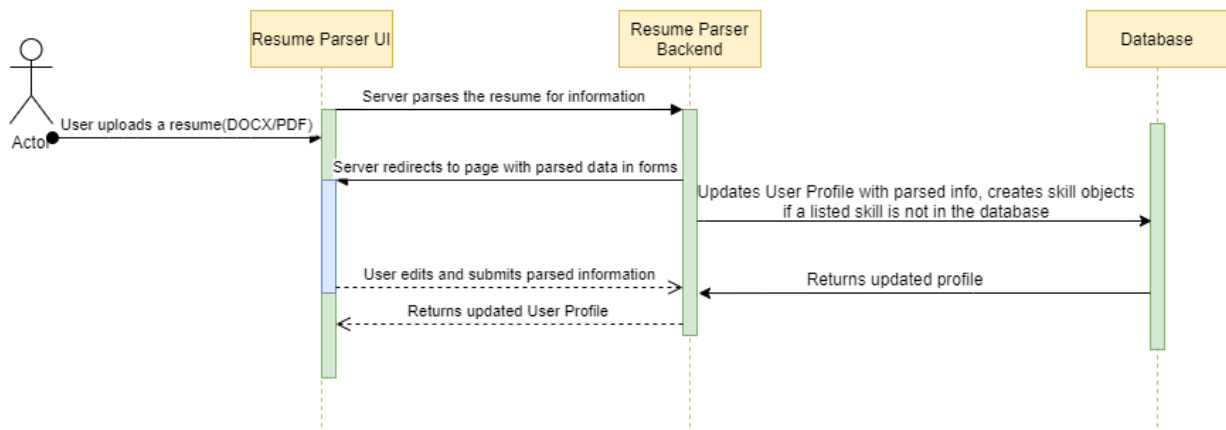
Resume Parser UML Diagram:

by Ryan Pineyro



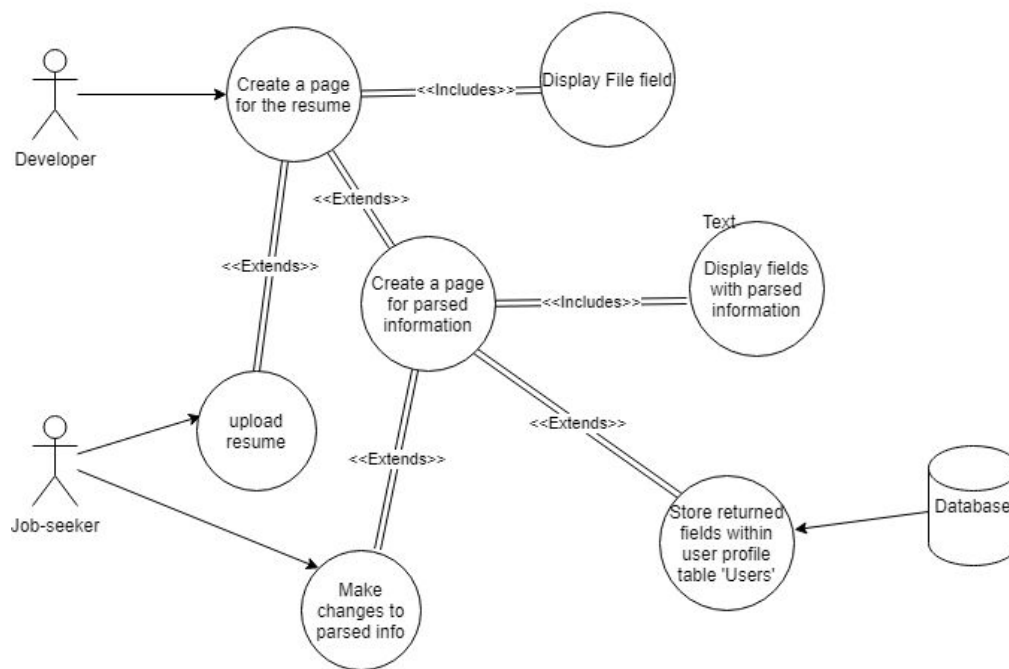
Resume Parser Sequence Diagram:

By Sebastian Rodriguez

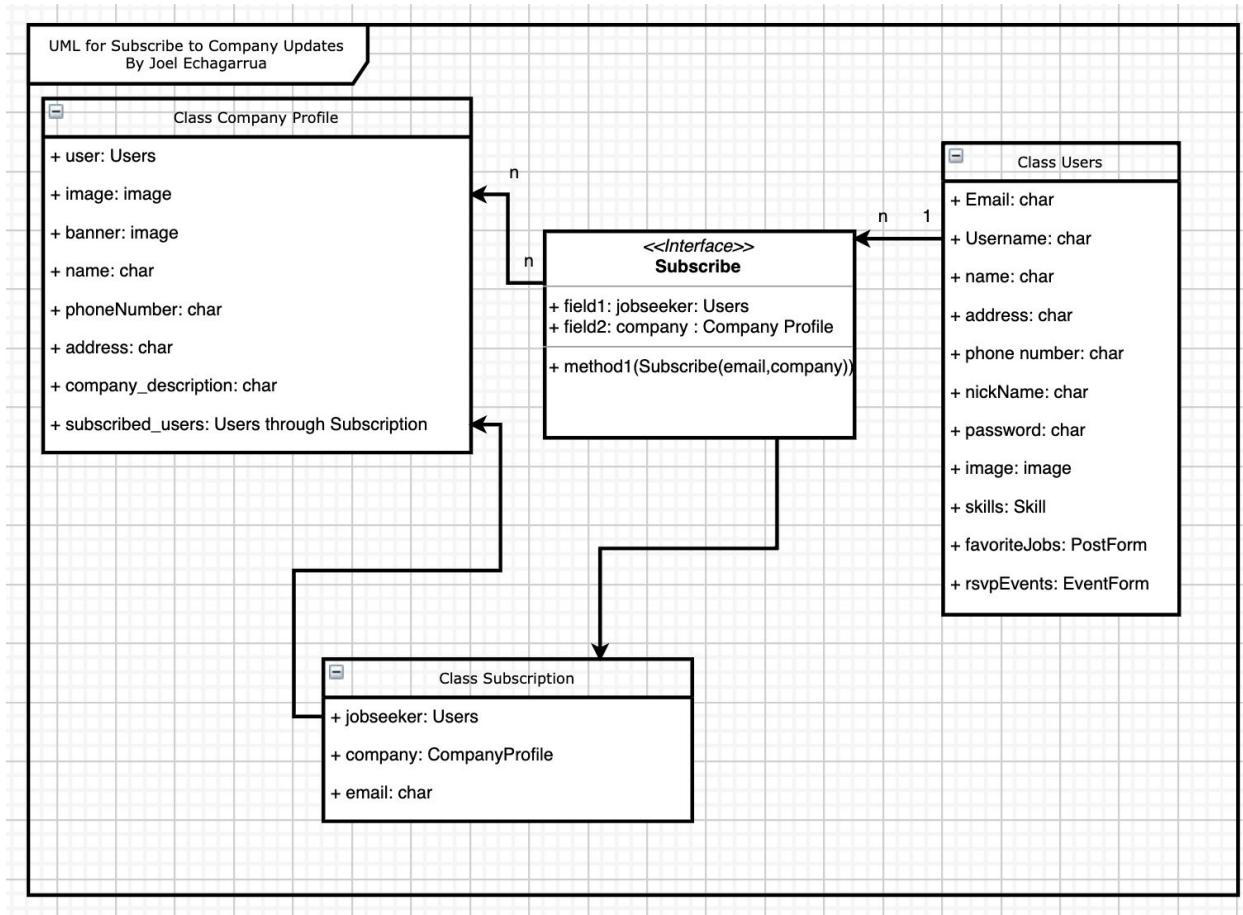


Resume Parser Use Case Diagram:

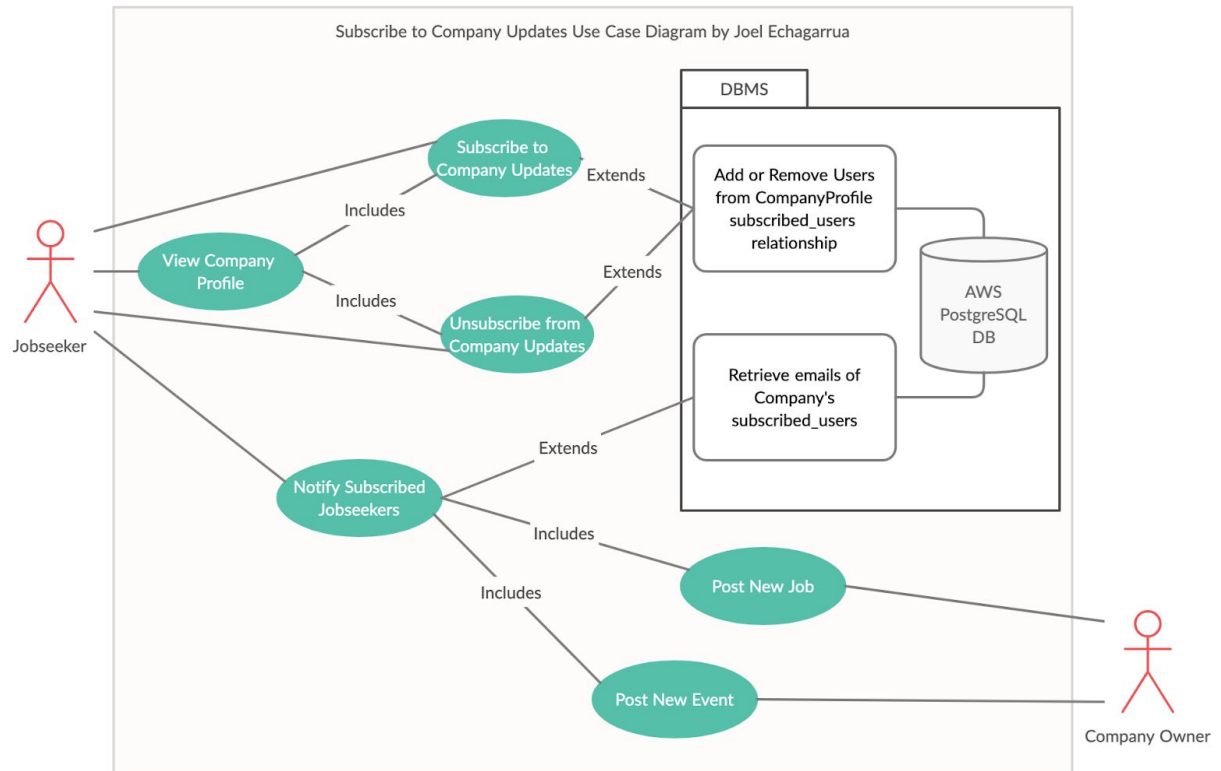
By: Ryan Pineyro



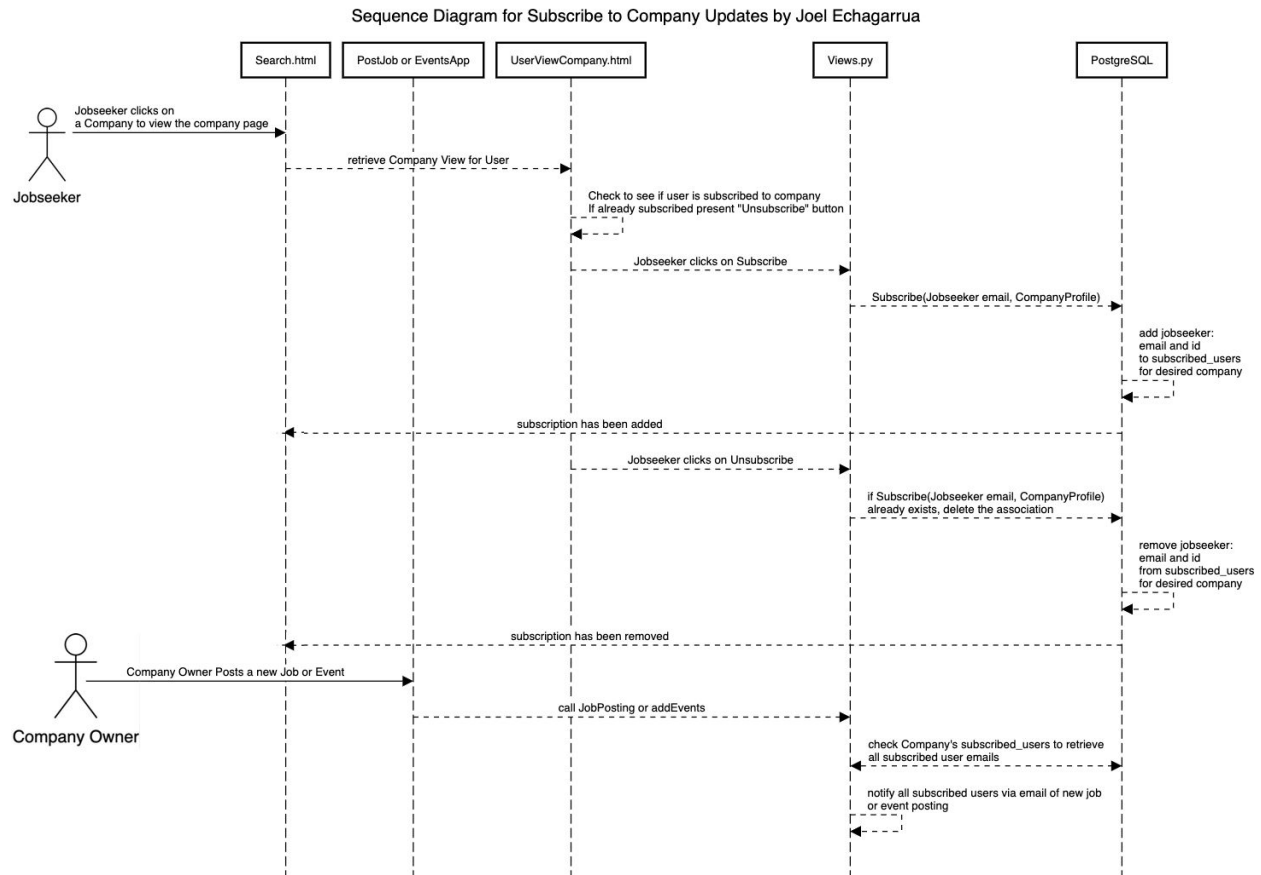
Joel Echagarrua - UML Model Diagram for Subscribe to Company Updates



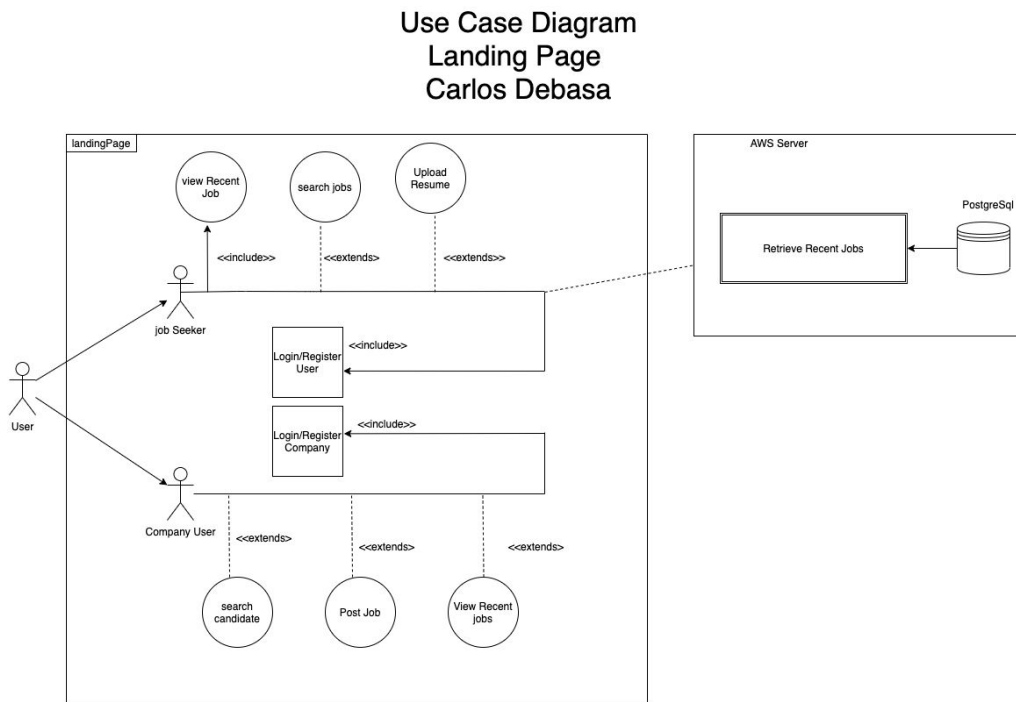
Joel Echagarrua - UML Use Case Diagram for Subscribe to Company Updates



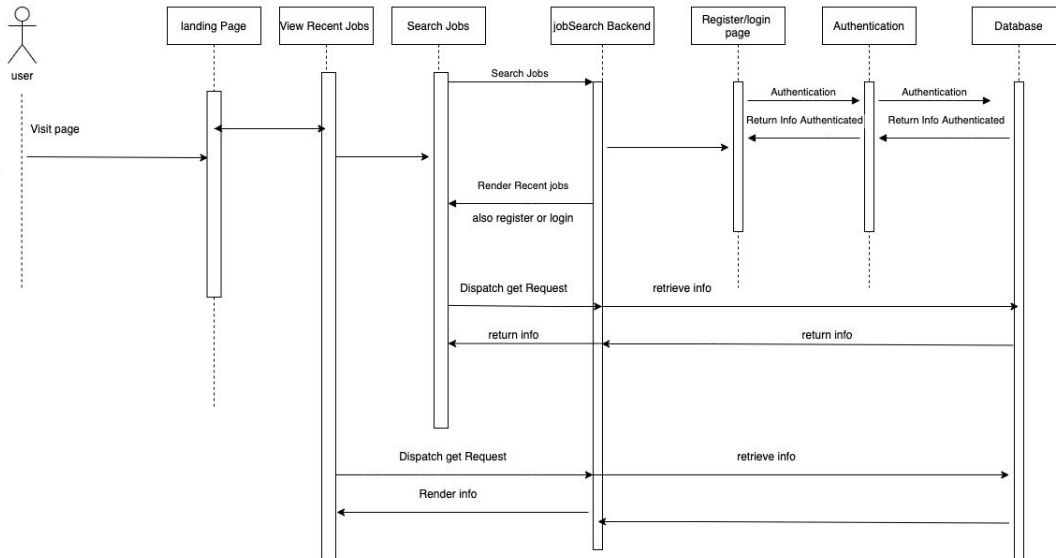
Joel Echagarrua - UML Model Diagram for Subscribe to Company Updates



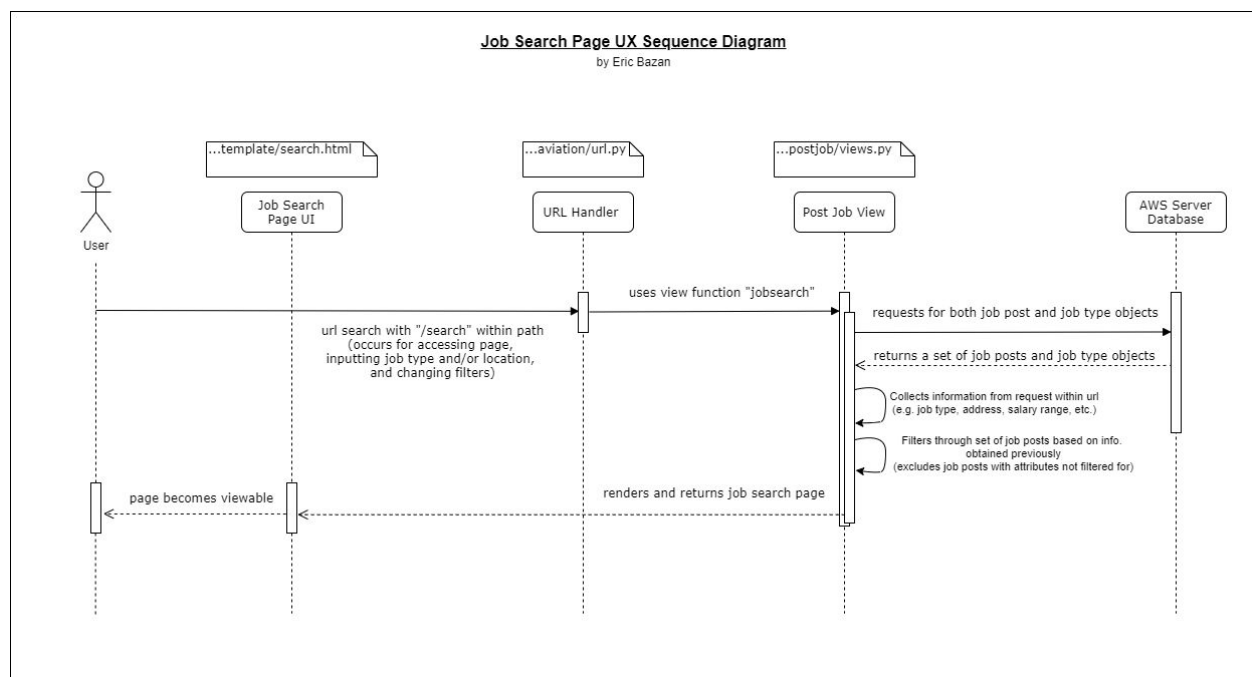
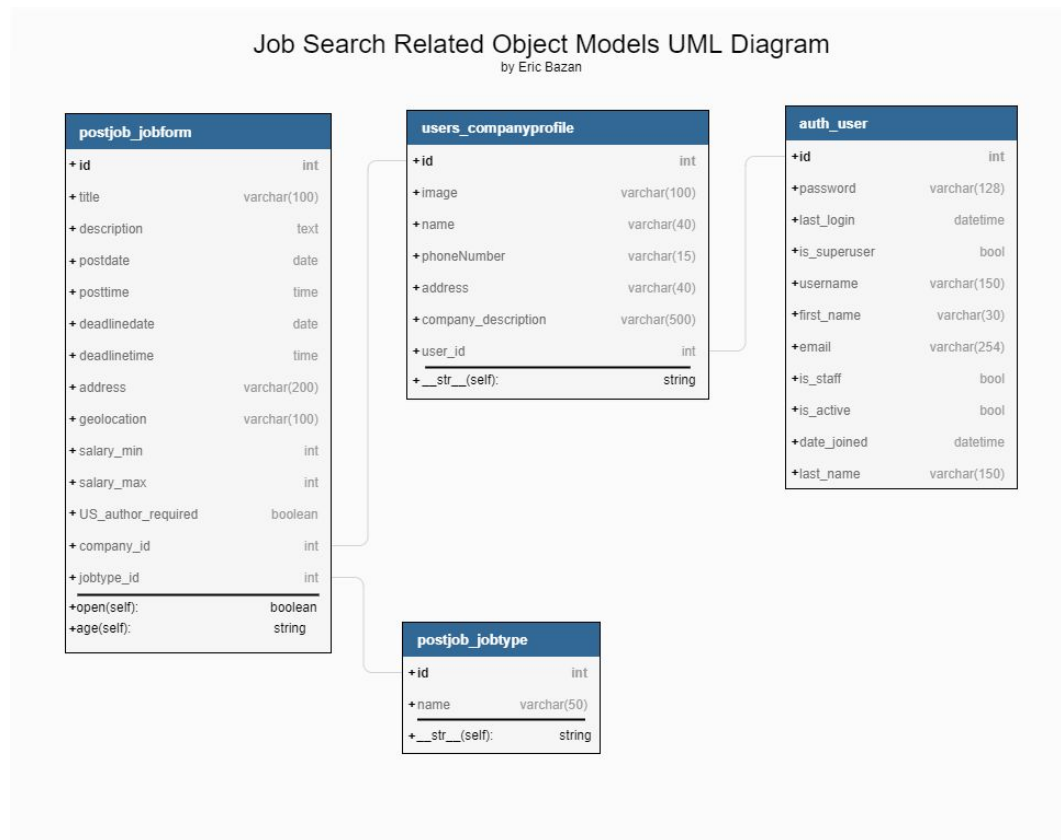
Carlos Debasa - Landing Page Use Case and Sequence Diagram.



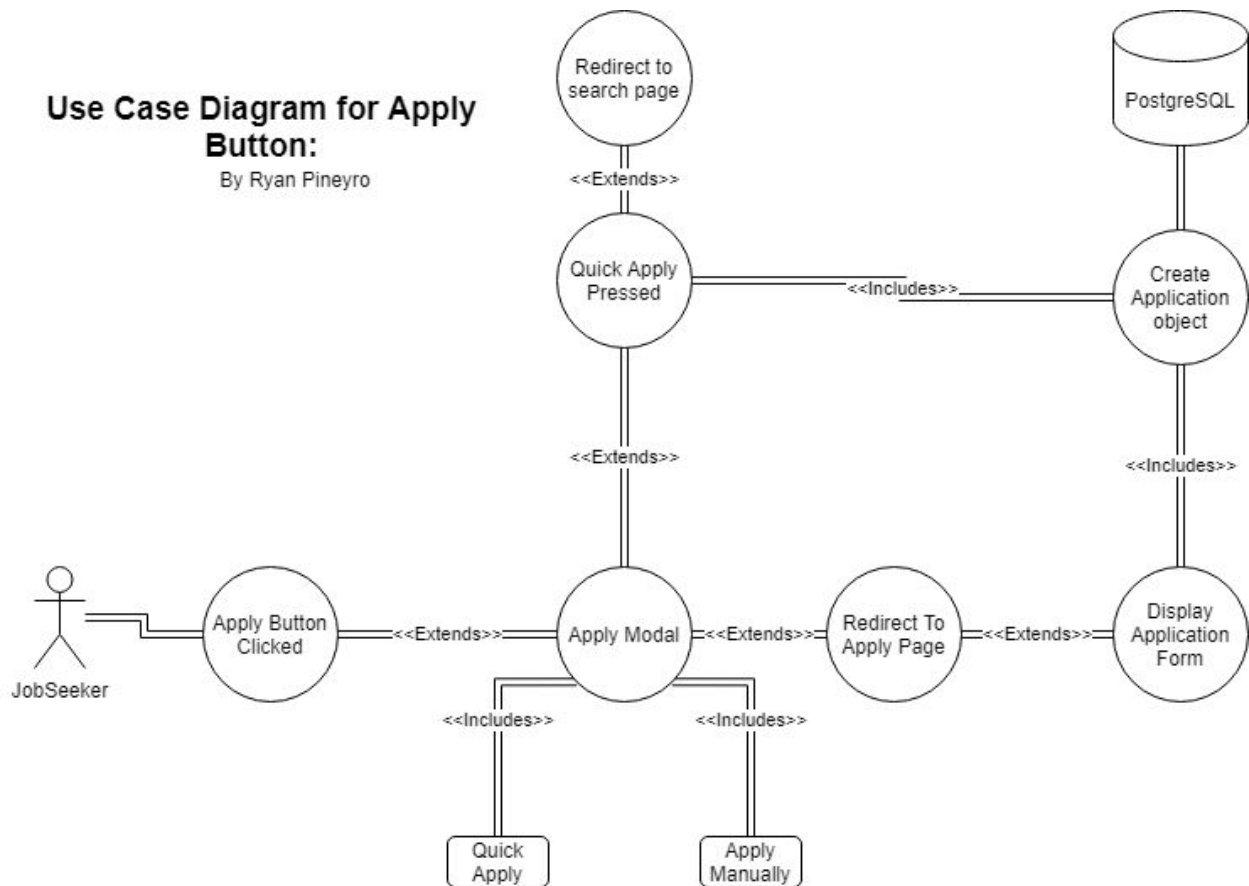
Sequence Diagram
Landing Page
Carlos Debasa



Eric Bazan - UML & Sequence Diagrams for Job Search Page

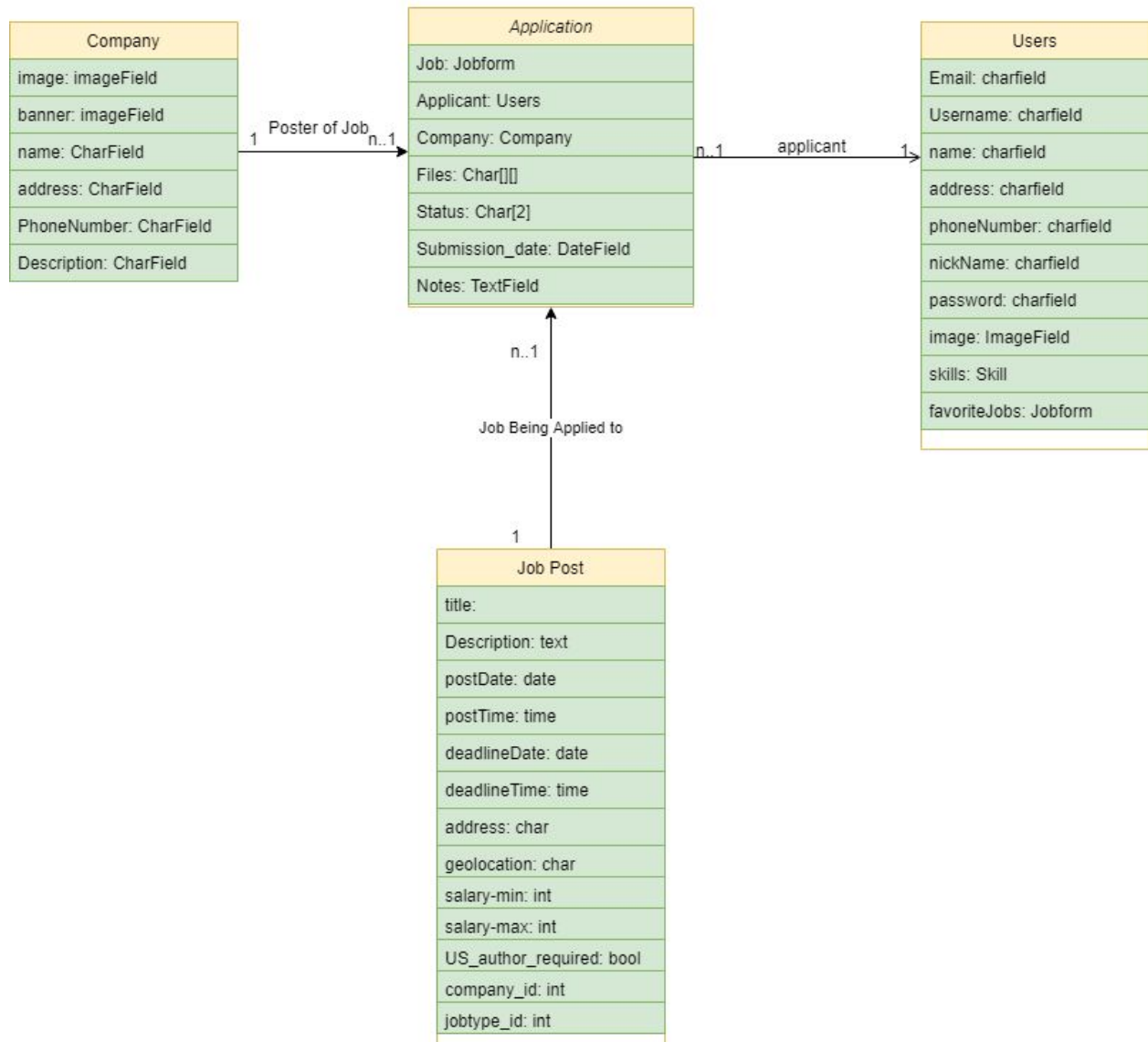


Ryan Pineyro - UML Diagrams for Apply/Quick Apply



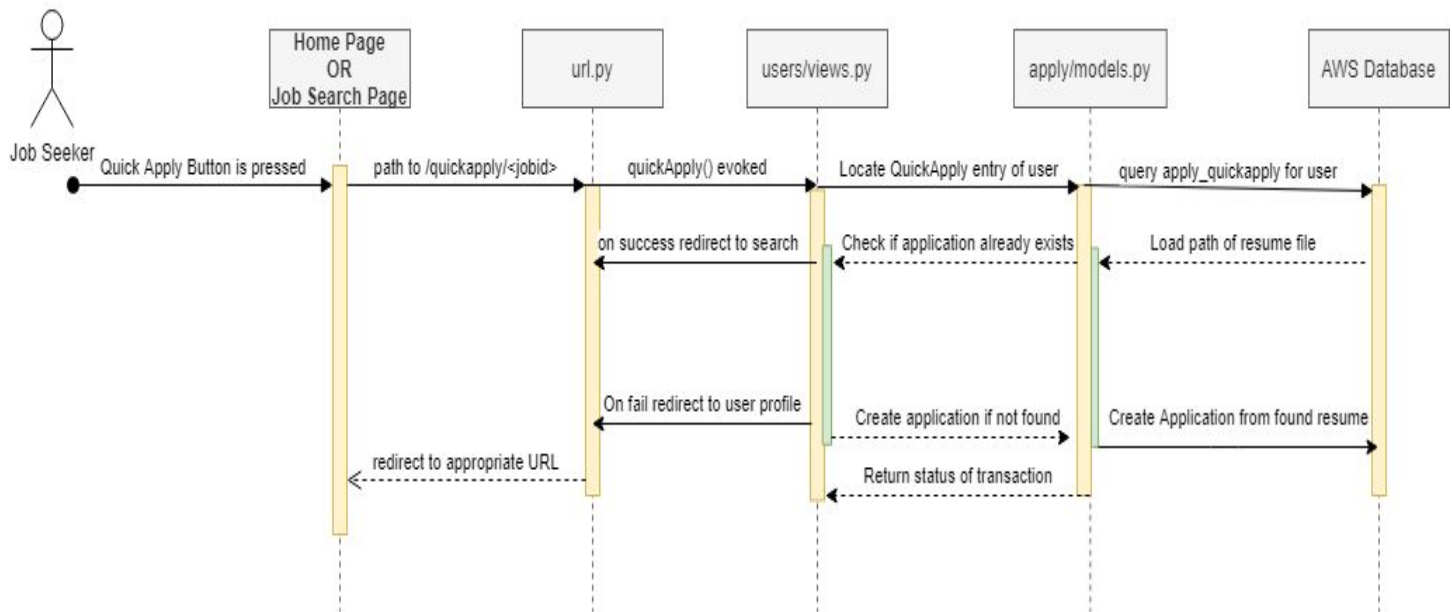
UML Diagram for Apply:

By Ryan Pineyro



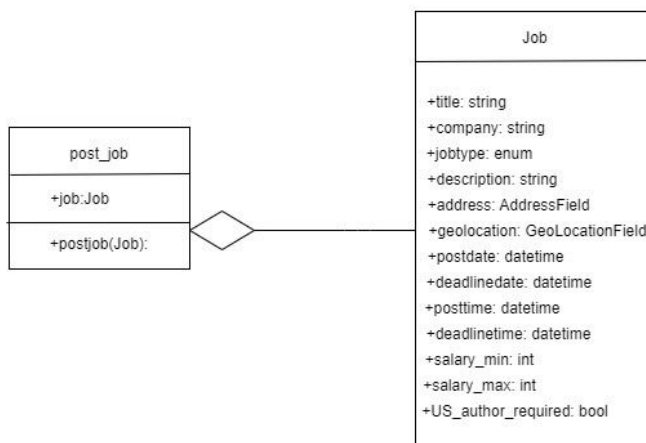
Sequence Diagram for Quick Apply system

By: Ryan Pineyro



UML Class Diagram

Job Posting - Sebastian Rodriguez



Appendix B - User Interface Design

Home Events [Login](#) [Register](#)

Log In

Username*

Password*

[Forgot Password?](#)

[Log In](#) [Sign Up](#)

[Log In with LinkedIn](#)

Login Page.

Home Events Profile Logout

Your account has been updated!

Aerospace INC

Jeff
11200 SW 8th St, Miami, FL 33199

[Add Job](#) [Add Event](#)

[Jobs](#) [About](#) [Update](#)

Update Company Profile

Account & Company Info

Username*

Jeff

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

Jeff@jeff.com

Image*

Currently: [profile_pics/blank-profile-picture-973460_640.png](#)

Change:

[Brow...](#)

Company Profile page with update tab open

Job Post Submission

Job Title

Job Type

company

Job Description

Enter a location

Start Date

Start Time

Minimum Salary

End Date

End Time

Maximum Salary

US Authorization Required ☐

Submit

Job Post form that allows companies to post jobs.

☰

Logout

Job Type Distance Date Posted Salary Range Other Filters Clear Filters

Relevant ▾

9 Jobs Found

Java Developer I
100 Terminal Dr, Fort Lauderdale,
FL 33315

19
days

Java Developer II
11200 SW 8th St, Miami, FL
33199

14
days

Python Developer 1
14325 SW 268th St, Naranja, FL
33032

17
days

Baggage Handler
Miami International Airport (MIA),
Northwest 42nd Avenue, Miami,
FL, USA

8
days

huihiuh
33030 Redland Road, Homestead,
FL, USA

1
days

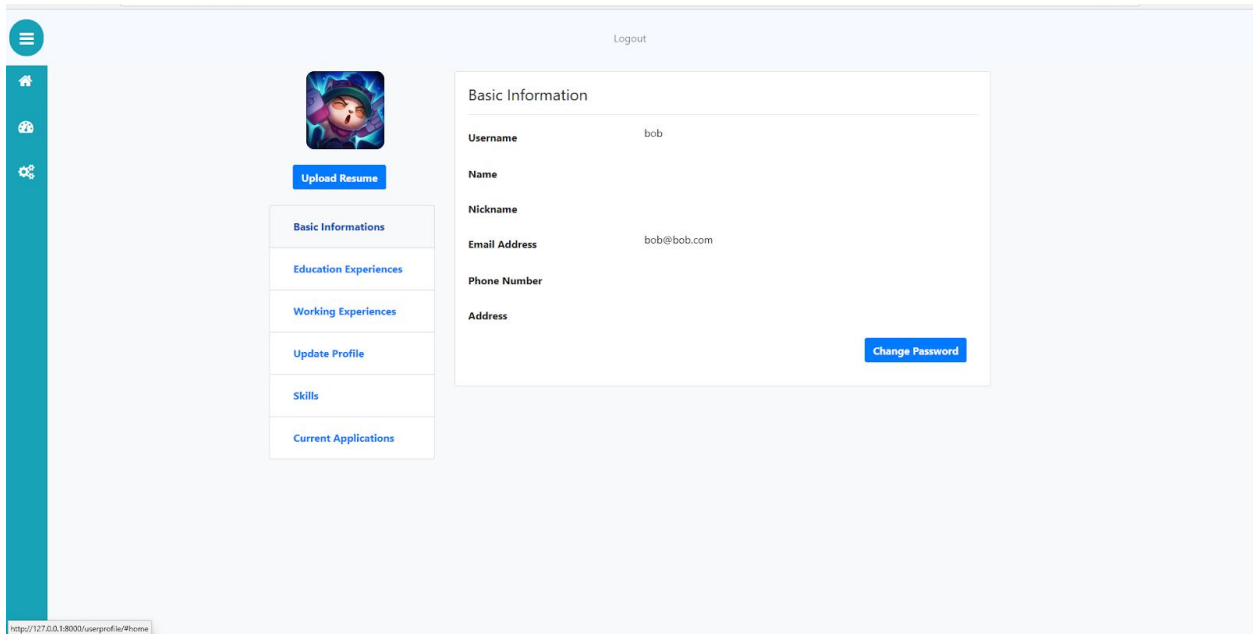
Java Developer II
\$60000 - \$80000
Always in the air!

Apply Now

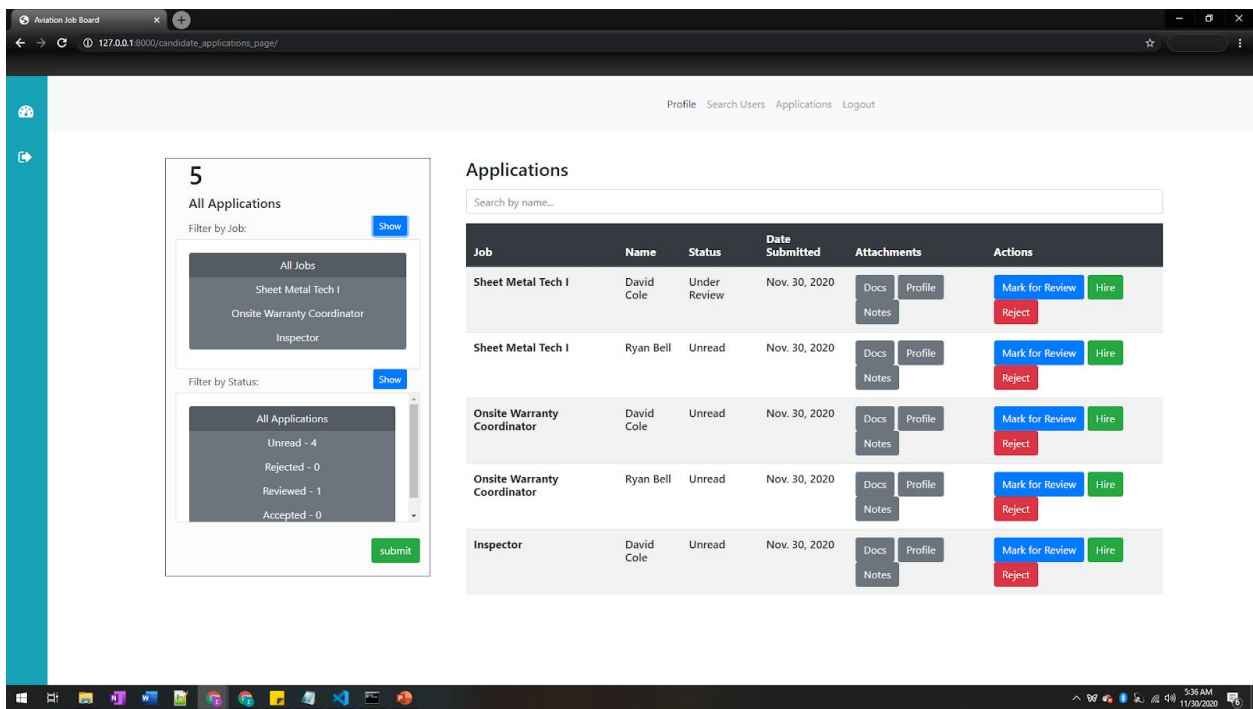
Favorite

Company Page

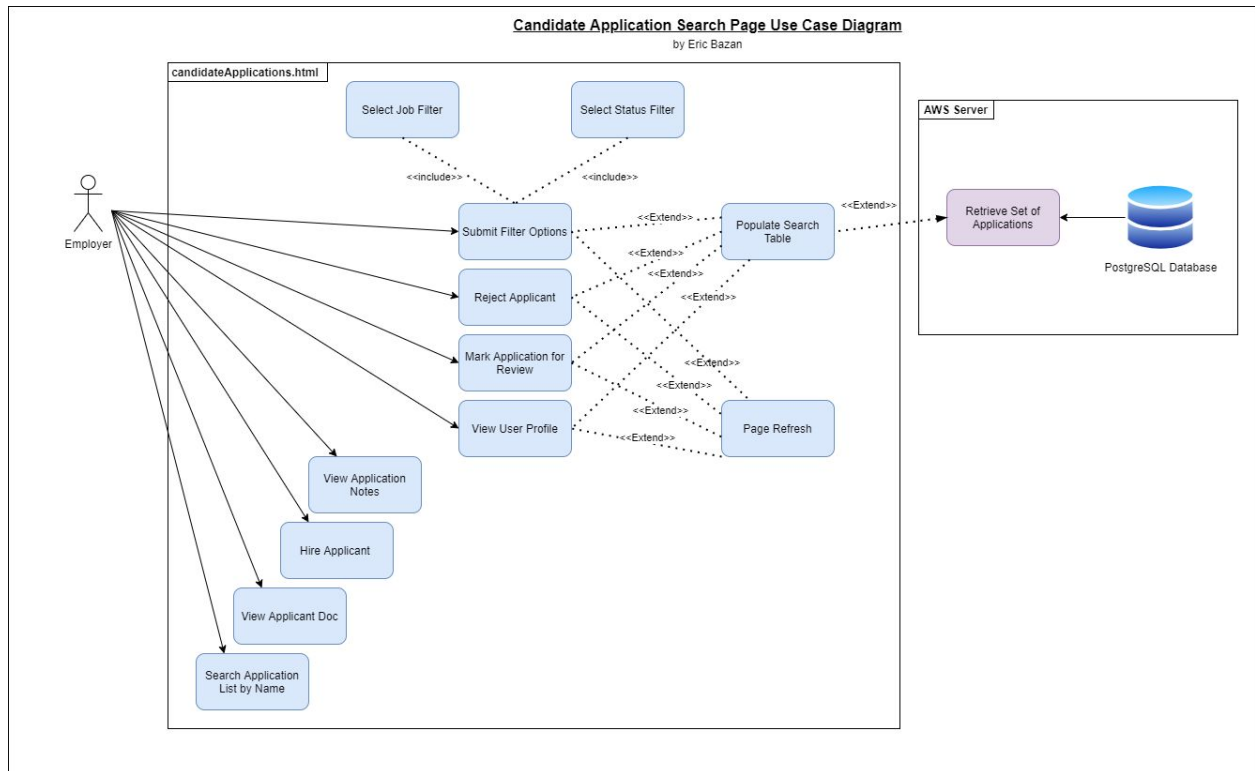
Job Search page where users can apply filters to find what job they want.



User Profile page.



Candidate Application Search



Candidate Application Search Use Case Diagram

[Home](#) [Profile](#) [Events](#) [Logout](#)

Events

Sort By

Events per Page

Show only RSVP Events

Show ALL Events

Created By	Event Name	Description	Posted	Day of Event	R.S.V.P. for Event
	Meet And Greet Event	Come meet with and talk to us online at somewebsitevent.com at 1/1/2021 at 4:00 P.M. UCT.	Oct. 10, 2020, midnight	Jan. 1, 2021, midnight	RSVP
	Free Workshop	Come and learn useful skills that will help in the aviation industry. In New York City at 3/4/21 at 3:00PM.	Dec. 12, 2020, midnight	March 4, 2021, midnight	RSVP

«12»

Events page

[Profile](#)
[Search Users](#)
[Applications](#)
[Logout](#)

User Search Page

Name:
Skills:

Pilot skill entry
Air traffic controller skill entry
Flight Attendant skill entry
Hospitality skill entry

Profile Pic	Name	Skills	Email
	Amelia	Sheet metal welder skill entry Mechanical Engineer skill entry Aerophysics skill entry	None
	Dave	Pilot skill entry Air traffic controller skill entry	Idk@something.com
	James	Pilot skill entry Flight Attendant skill entry Hospitality skill entry	None

User Search page

Appendix C - Sprint Review Reports Summer 2020

Sprint 1 Review

Date: May 29, 2020

After a show and tell presentation, the implementation of the following user stories were accepted:

- A Standard Template/Boilerplate HTML Page
 - Description: All html pages (web pages) on the platform must include the following essential elements for user interaction and site...
- A Mockup for Home/Landing Page
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page...
- An HTML Page for Log-In Page
 - Description: An HTML Page for the log-in page will need to be designed for users to navigate to where they can log into the website

- Navigation Bar HTML Element
 - Description: A navigation bar that includes links/buttons to other pages or portals will be necessary for users to access key information...
- A User Model in the Back-End Layer
 - Description: A model which outlines the fields and methods for objects representing registered users (either job seekers or employers) will need to be constructed
- Processes for the Registration in the Backend Layer
 - Description: Back-end processes that handle the creation of new user objects will need to be implemented in order for newly...
- Repository for User Story and Meeting Documents
 - Description: A collection for documents outlining all discussion points and user stories will need to be initialized to hold...
- Compilation of Software Requirements
 - Description: A document for tracking software and code modules used by are project will help to keep track of all of our projects dependencies
- Model for Job Posts in the Back-End Layer
 - Description: A model which outlines the fields and methods for objects representing job posts will need to be constructed
- Initialization of GitHub Repository
 - Description: A GitHub repository for holding all code files and having version control will need to be initialized
- Database Schema Chart of Back-End Layer
 - Description: A diagram that outlines essential models in the back-end layer will be necessary for planning the structure...
- Mockup for Company Profile Page
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page...
- Mockup for Log-In Page
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page...
- An HTML Page for User Profiles

- Description: An HTML Page for the user profile page will need to be designed for job seekers to navigate to where they can view...
- User Profile Section for Editing Profile Information
 - Description: A section for editing profile information in the HTML page for the user profile page will need to be implemented...
- User Profile Section for Submitting Work Experience
 - Description: A section for displaying and submitting work experience in the HTML page for the user profile page will need...

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting:

- A Mockup for Home/Landing Page
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page...
- Mockup for Job Search Page #10
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page...

Sprint 2 Review

Date: June 12, 2020

- Extensions and Design Improvements for Navigation Bar HTML Element
 - Description: Other tabs for accessing other web pages in development will need to be added into the navigation bar...
- A Mockup for Registration Page
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for the registration page...
- A Mockup for Home/Landing Page
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page for the home/landing page...
- Back-End Processes for Changing User Profile Information
 - Description: A back-end process that replaces a user's basic profile information with new information that a user submits...

- A Button for Logging in through Linked-In Profile
 - Description: A user should also be able to log into the website using their Linked-In profile. An additional log-in button on the...
- Mockup for Experimental Job Search Page
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of the HTML page...
- Admin Page for Job Records
 - Description: Administrators of the website should be able to add, edit or remove jobs through a separate admin page with options...
- Time Checking Functions for Job Postings
 - Description: Jobs posts should be queried in searches only if the current date is not past their deadline date. Functions should be...
- Function for Uploading Resumes within User Profiles
 - Description: Job seekers should be able to upload their resumes through a submission feature (button) in their user profile page...
- HTML Page for Landing/Home Page
 - Description: An HTML page for the landing/home page will need to be designed for unregistered users to enter at first
- Design Improvement for User Profile Page
 - Description: The user profile HTML page should be updated to give the page a better design that enhances the aesthetics...

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting:

- Updated DB Schema Chart
 - Description: An updated chart on the database schemas for instances such as jobs , user, and profiles will be necessary as a blueprint...
- An HTML Page for Search Results
 - Description: An HTML page for a search result page will need to be designed that will display set of job postings queried by a user's inputted search
- HTML Page for Company Page
 - Description: An HTML page for the company page will need to be designed in order for employers to display their companies information...

Sprint 3 Review

Date: June 26, 2020

After a show and tell presentation, the implementation of the following user stories were accepted:

- Search Bar Restyling in Landing/Home Page
 - Description: The HTML element for the search bar in the Landing/Home page should be updated to give the element a better...
- Implementation of SASS Code for Optimal HTML Styling
 - Description: CSS code for certain HTML pages or elements should be replaced with SASS code to improve code optimization for styling
- HTML Page for Events Page #4
 - Description: An HTML page for the events page will need to be designed in order for employers to post events pertaining to their companies which viewers can read
- Installation of PostgreSQL Database System
 - Description: The database system should be transferred from SQLite to PostgreSQL which is a more sophisticated database system...
- Updated DB Schema Chart
 - Description: An updated chart on the database schemas for instances such as jobs , user, and profiles will be necessary as a blueprint...
- Updated Mockup for Job Search Page
 - Description: A wireframe diagram will be necessary for thoroughly planning the layout and the design of a new job search page...
- Compiled Mock Data
 - Description: A list of exemplary job objects or job posts will need to be compiled and uploaded in order to thoroughly test different...
- An HTML Page for Search Results
 - Description: An HTML page for a search result page will need to be designed that will display set of job postings queried by a user's inputted search
- Form for Job Post Admin Page
 - Description: A form for the job post admin page will need to be developed in order to specify what type of information...
- Loading/Testing Mock Data

- Description: The mock data for job posts will need to be populated into the database and all site operations that deal with job...
- Skill Section in User Profile Page
 - Description: A section for skills will need to be added in the user profile page so users can list specific skills
- Set-Up AWS Server
 - Description: The websites database will be hosted on an AWS server which will need to be set up
- HTML Page for Company Page
 - Description: An HTML page for the company page will need to be designed in order for employers to display their companies...
- Improvement to Registration Page Design
 - Description: The HTML page for the registration page should be updated to give the page a better design that enhances the aesthetics and usability of the page
- Function for Adding Work Experience and Education
 - Description: Functions for allowing the user to input work experience and education will need to be implemented for the user profile page

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting:

- Improvements to Landing/Home Page Design
 - Description: The HTML page for the Landing/Home Page should be updated to give the page a better design that enhances...

Sprint 4 Review

Date: July 26, 2020

After a show and tell presentation, the implementation of the following user stories were accepted:

- Improvements to Landing/Home Page Design
 - Description: The HTML page for the Landing/Home Page should be updated to give the page a better design that enhances the aesthetics and usability of the page
- Top Job Category & Recent Job Section in Landing/Home Page
 - Description: The Landing/Home page should have sections that allow users to view the top category of jobs (administration, financing, I.T., etc.)...

- Form & Model for Company Profile Page
 - Description: A model which outlines the fields and methods for objects representing company profiles will need to be constructed
- Establishment of User Groups in Back-End Layer
 - Description: Objects for users will need to be divided into two categories: job seekers, or employers. These are the two main actors on the platform...
- Back-End Processes for Company Profile Registration
 - Description: Back-end processes that handle the registration of employers and subsequently the creation of their company...
- HTML Page for Job Search Page
 - Description: An HTML page for a search page will need to be designed for users to search and filter through jobs that are retrieved from search parameters they input
- UML Case Diagram
 - Description: A UML case diagram that outlines the use cases between actors such as job seekers and employers should be designed...
- Distance Calculation Functions for Job Search Filter
 - Description: A function for calculating distances between two locations using geolocation data needs to be implemented...
- Connecting Postgres and AWS Server to Project
 - Description: The Postgres database needs to be placed within the AWS server and server needs to be connected to our projects platforms
- HTML Page for the Message/Forum Page
 - Description: An HTML page for the message page will need to be designed for users to read and send messages between each other
- Functions for Deleting Work Experience and Education in User Profile Page
 - Description: Users should be able to delete their entries for work experience and education in their user profiles so functions...

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting:

- Geolocation Data in Job Post Model
 - Description: Job posts will need to hold geolocation data (e.g. latitude, longitude, etc.) based off their addresses to make distance...

- Parse Page

- **Description:** Once a user uploads their resume, they should be directed to an intermediate page where they are shown...

Sprint 5 Review

Date: July 26, 2020

After a show and tell presentation, the implementation of the following user stories were accepted:

- Redirect Page

- **Description:** Once a user logs onto the website, they should be redirected to a starting page that's relevant for them. A job seeker...

- Sidebar Menu in Home Landing Page

- **Description:** A user who's logged in should have access to a sidebar with navigation links...

- Decorators for User Groups

- **Description:** To enforce the use cases between job seekers and employers, decorators...

- Technical Fixes to Job Search Page

- **Description:** Several bugs that cause errors on the job search page need to be fixed...

- User Story Documentation Organization

- **Description:** All the User Story Documents will need to be organized into a directory for the Final Deliverable that will need to be submitted at the project's deadline...

- Introduction and Outline for Final Deliverable Document

- **Description:** The documents in the final deliverable will include a document that gives a general overview on our project. We should begin...

- Geolocation Data in Job Post Model

- **Description:** Job posts will need to hold geolocation data (e.g. latitude, longitude, etc.) based off their addresses to make distance calculations...

- Filter Engine for Job Search Page

- **Description:** A filter engine which returns search queries with job posts that are relevant to a users search will need to be implemented...

- Back-End Processes for Skills Section in User Profile Page

- **Description:** Back-end processes that handle the retrieval of a users set of skills from the database will need to be implemented in the back-end layer

- Back-End Processes for Job Application Statuses

- **Description:** Small back-end layer processes will need to be implemented that populate the application status section of a user's profile page with the statuses of their job
- Parse Page
 - **Description:** Once a user uploads their resume, they should be directed to an intermediate page where they are shown what information...
- Section for Application Statuses in User Profile
 - **Description:** A section for application statuses in the HTML page for the user profile page will need to be implemented in order for users...
- Improvement to Company Profile Page Design
 - **Description:** The HTML page for the company profile page should be updated to give the page a better design that enhances the aesthetics...
- Redirect Function for Looking Up Company Profile Pages from Job Search Page
 - **Description:** A user when clicking on the "company page" button for a job post in the job search page should be redirected to that company profile...

Sprint 6 Review

Date: August 1, 2020

After a show and tell presentation, the implementation of the following user stories were accepted:

- [Final Deliverable] Code File Directory
 - **Description:** This directory should contain an organized directory of files that make-up our platform's website and include the following...
- [Final Deliverable] Documents Directory
 - **Description:** This directory will contain all of the project documents composed throughout all development cycles...
- [Final Deliverable] Posters Directory
 - **Description:** This directory will contain all posters from each team member
- [Final Deliverable] Presentational Slides Directory
 - **Description:** This directory will contain a powerpoint file that presents the entire project
- [Final Deliverable] Video Directory
 - **Description:** This directory will contain an html page that includes links to four videos on this project's designated youtube...

Appendix C Part 2 - Sprint Review Reports

Capstone II Fall 2020

Sprint 1 Review

Date: September 12, 2020

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners:

- User Story 1 Clone Current GitHub Repository in to new Repository
- User Story 2 Set up local Development Environment and Database
- User Story 3 Investigate and Prioritize Pending User Stories and Shortcomings before Grooming Meeting
- User Story 4 Apply to Job including user profile and resume (jobseeker)
 - Basic application functionality implemented
 - Users can upload files with their application
 - Users can view their applications in the user profile
- User Story 5 Review Job Application (employer)
 - Statuses have been added to database
- User Story 7 Fix error in search page/home page for jobseekers; won't appear if there aren't any jobs present
- User Story 6 Improve user profile and resume section
 - Fixed bug where Address wasn't displaying on site
 - Added Update Profile Picture button to front end
- User Story 8 Work on the Job Aspect for Company Profile
 - There was an error with the Job Post that allows a company owner to switch their foreign key in the database and post jobs for other company owners.
 - Needed to have a form and page for company owners to be able to edit their pre-existing jobs from the job post list.
 - A delete feature was also implemented to allow a company owner to delete the job post from the site, and the record from the database.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

- User Story 8 Notifications for both jobseekers and employers (may be solved by email)
 - How this should be reflected on the user story definition:
 - Basic functionality for applications and reviews still needs work, so this will take a priority over notifications/messaging for applications.

- User Story 15: Graphical fixes for top-most search bars in search page
 - How this should be reflected on the user story definition:
 - The graphics for the topmost search bar within the job search page (The bar containing the search fields for position name and location) currently overlaps with the graphics of the side dashboard. This conflict should be fixed soon.

Sprint 2 Review

Date: September 27, 2020

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners: All.

- User Story 5 Review Job Application (employer)
 - Statuses have been added to database
- User Story 7 Fix error in search page/home page for jobseekers: won't appear if there aren't any jobs present
- User Story 6 Improve user profile and resume section
- User Story 9 Fix Top Search Bar
 - The Top Search bar for the Job Search isn't displaying properly or at all throughout the website
- User Story 10 Automated emails for job applications/notifications
 - Look in to Django email systems to use for sending automated emails on job statuses and other notifications
 - Email notifications were added to updating profile, still need to add for job application statuses
- User Story 11 Search for Users page
 - This page will be a very simplistic design where a company owner will look at a table of jobseekers and instantly view their non-private information.
 - Display jobseeker profile image, name, email.
 - This page will need a search bar that will be used to search for jobseekers by their name or their skills.
 - This page should be automatically sorted by name.
 - Allow for company owners to be able to email jobsseekers by clicking on the jobseeker's email

- in the user search page, then typing their message up and clicking send.
- When a message is sent alert the company owner that the message was successfully sent.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

- User Story 12 Front-End Design for Application Page
 - The front-end implementation for the candidate application page still needs to be completed. The base skeleton for the page and the side bar for the page as shown in its mockup design are currently implemented so far
- User Story 13 Filters for viewing applications.
 - Currently there aren't a lot of options for finding specific applications quickly. We can view applications but filtering through them could be useful.

Sprint 3 Review

Date: October 11, 2020

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners: All.

- User Story 12 Front-End Design for Application Page
 - The front-end implementation for the candidate application page still needs to be completed. Currently, the main elements of the page have been implemented (e.g. sidebar, filter table, etc.) and the page as a whole needs to be transferred to the project files
- User Story 13 Filters for viewing applications.
 - Added buttons for testing various filters.
 - We will add filters for viewing applications of a specific job listing
 - Add filters for searching for applicant name
 - Filter based on current status of application.
- User Story 15 Events Page
 - Needs to display events' name, location, date of event posted, and date of event. Also show which company posted the event.
 - Allow for company owners to post an event.
 - Allow jobseekers to RSVP for an event, and allow company owners to view who RSVP for such an event.
 - Allow jobseekers to be able to click on the event's company owner and send them to the company owner's page.
 - Have a separate list for events the jobseeker has already RSVP for.
 - Be able to filter events by name, location, and companies.

- Be able to sort the events by name, date posted, or date of event.
- Make two views for this page if possible, a grid view (simple table view), and one where the events can be viewed as cards.
- Add pagination for this page and allow jobseekers to be able to choose the pagination interval.
- Send an email to the jobseeker to thank them for rsvp-ing to the event.
- User Story 10 Automated emails for job applications/notifications
 - Email notifications were added to updating profile
 - Email Notifications were also added to applying a for a job to notify the jobseeker that they have successfully applied
 - Email notifications were created to notify the Company Owner for a new application to their job, but there is no connections between the company owner email and the company profile - Will need to add a column to the Company Profile table for a notification email to be specified for the company.
 - Email notifications were created for status changes on applications, but have not been finished.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

- User Story 14 Subscription Button on Company Pages
 - There already exists a button for subscribing/following a company page but there yet the functionality for registering that action needs to be implemented and what specific behaviors occurring when clicked need to be added

Sprint 4 Review

Date: October 25, 2020

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners:

- User Story 10 Automated emails for job applications/notifications
 - ~~Email notifications were added to updating profile~~ Completed.
 - ~~Email Notifications were also added to applying a for a job to notify the jobseeker that they have successfully applied~~ Completed.
 - An email notification template was created to notify the Company Owner for a new application to their job, but there is no connections between the company owner email and the company profile - Need to add a column to the Company Profile table for a notification email to be specified for the company.
 - ~~Email notifications were created for status changes on applications, but have not been finished.~~ Completed.
- User Story 14 Subscription Button on Company Pages
 - ~~There already exists a button for subscribing/following a company page but the functionality for registering that action needs to be implemented and what specific behaviors occurring when clicked need to be added~~ This button was

on the company page view for jobseekers, but the page isn't fully implemented. Rather than using this button, I plan to use another button on the job search page and use a form to confirm the email address to subscribe to new updates

- The model for subscribing has been created.
- Created a form to confirm the email address
- Still working on hooking the functionality up
- User Story 15 Events Page
 - ~~Needs to display events' name, location, date of event being posted, and date of event. Also show which company posted the event.~~
 - ~~Allow for company owners to post/edit/delete an event.~~
 - Allow jobseekers to RSVP for an event, and allow company owners to view who RSVP for such an event.
 - Allow jobseekers to be able to click on the event's company owner and send them to the company owner's page.
 - Have a separate lists for events the jobseeker has already RSVP for.
 - ~~Be able to filter events by name, location, and companies.~~
 - ~~Be able to sort the events by name, date posted, or date of event.~~
 - Make two views for this page if possible, a grid view (simple table view), and one where the events can be viewed as cards.
 - ~~Add pagination for this page and allow jobseekers to be able to choose the pagination interval.~~
 - Send an email to the jobseeker to thank them for RSVP-ing to the event.
- User Story 16 Jobseeker profile view(employer side)
 - ~~Currently user profiles cannot be viewed by a company owner. I will create a page to display whatever information the user has put in his profile.~~
- User Story 20 Section for Listed Favorited Jobs within the Job Search Page Side-Dashboard
 - ~~A new section will be added within the side dashboard in the job search page which will contain a list of jobs that have been favorited (by favorite buttons beside job posts being clicked) by a job seeker~~
- User Story 18 Jobseeker Profile Creator
 - ~~As a job seeker I would like to create my profile immediately after signing up. I would like to input my basic information as well as my education and work experience.~~
 - ~~After profile setup redirect user to resume parser page so they can input there resume as well.~~

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

- User Story 17 Written Catalogue for Webpage Statuses, Bugs/Issues, and Notes

- To reduce the amount of work load, the scope of this user story has been reduced to focus on cataloging a few pages. These pages include the home and the job search page
- This has been shared with the group so that everyone can contribute
- User Story 19 Fix Navbar
 - I plan to fix the entire navbar by erasing the code in the base.html and beginning fresh to rewrite the links in the navbar.
 - Also the template tags for the navbar to display only certain links depending on the user/page need to be rewritten and fixed.
 - Decorators may also be added to certain pages or to the navbar.

Sprint 5 Review

Date: November 7, 2020

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners:

- User Story 21 Automated emails for company owners for new application submissions
 - ~~An email notification template was created to notify the Company Owner for a new application to their job, but there is no connections between the company owner email and the company profile -- Need to add a column to the Company Profile table for a notification email to be specified for the company. Complete~~
- User Story 17 Written Catalogue for Webpage Statuses, Bugs/Issues, and Notes
 - Only the a page for the job search page is necessary to be completed
- User Story 19 Fix Navbar
 - I plan to fix the entire navbar by erasing the code in the base.html and beginning fresh to rewrite the links in the navbar.
 - Also the template tags for the navbar to display only certain links depending on the user/page need to be rewritten and fixed.
 - Decorators may also be added to certain pages or to the navbar.
 - A new Django code block (similarly set up for the navbar) should be made to make this task simple
- User Story 23 Company Profile Page (backend)
 - Currently the company profile page has parts that are ready to be filled with data but the place holder data was never replaced. So currently we need to link the backend for jobs events and various other things.
- User Story 24 Landing Page Connections

- ~~Currently the landing page has many elements that are not connected to the backend or have 0 functionality tied to it.~~
- ~~The Categories section should reflect the posts in our database~~
- ~~The Recent Jobs section should show the newest jobs in the data base.~~

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

- User Story 14 Subscription Button on Company Pages
 - Added a button for subscribing to company updates on job search
 - Unable to complete implementation before end of sprint
- User Story 25 Favorite Job Posts
 - Job Seekers should be able to favorite job posts by clicking on a job posts corresponding favorite button and have the job search page link for that job post into the favorited job section within that users side dashboard
- User Story 22 Update/Add Side Dashboard for all Job Seeker Pages
 - While some of the main pages have this side dashboard integrated there are some that have this dashboard overlapping with their main content. There are also several other axillary pages that need this dashboard added
- User Story 15 Events Page
 - Allow jobseekers to rsvp for event, and allow company owners to view who rsvp for such event.
 - Allow jobseekers to be able to click on the event's company owner and send them to the company owner's page.
 - Have a separate lists for events the jobseeker has already rsvp for.
 - Send an email to the jobseeker to thank them for rsvp-ing to the event.

Sprint 6 Review

Date: November 22, 2020

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners: All.

- User Story 25 Favorite Job Posts
 - ~~The favorites buttons for the job posts now update the favorite job post table as they should. The only thing left is having the favorites job post section of the side dashboard (for job seekers) be populated with links for job posts that have been favorited~~
- User Story 15 Events Page

- Allow jobseekers to RSVP for events, and allow company owners to view who RSVP for such event.
- Allow jobseekers to be able to click on the event's company owner and send them to the company owner's page.
- Have a separate lists for events the jobseeker has already RSVP for.
- Send an email to the jobseeker to thank them for RSVP-ing to the event.
- User Story 26 LinkedIn button
 - For this user story the LinkedIn button is getting some rework done to it. It is allowing users who have logged in with LinkedIn to only store their name, and password as a hash. After this a LinkedIn user is able to choose whether they'd like to be a jobseeker or company owner and then create a profile with their respective user group. This will all get stored in the site and the LinkedIn user is able to log in to the site still through the LinkedIn button and look at their now new profile.
- User Story 27 Filters on Job Search Page
 - ~~Currently the filters on the job search page have limited functionality. The user should be able to filter the posts by various filters such as job type, salary, location etc..~~
- User Story 28 Quick Apply System
 - ~~The user should be able to apply to jobs quickly by attaching a predesignated resume that is uploaded to their user profile.~~
 - ~~The User will be prompted for whether or not they want to use the pre uploaded resume when they apply for a job.~~
 - ~~Users can update their uploaded resume by uploading it on their user profile.~~

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

- User Story 14 Subscription Button on Company Pages
 - Added a button for subscribing to company updates on job search
 - Associated jobseekers to companies when they click subscribe
 - Still need to implement notifications for new job and event posts for subscribed companies
- User Story 29 Create Secrets File for Project
 - Create a secrets file to store all credentials
 - Migrate all local variables referencing credentials to the secrets file
- User Story 22 Update/Add Side Dashboard for all Job Seeker Pages
 - While some of the main pages have this side dashboard integrated there are some that have this dashboard overlapping with their main content. There are also several other axillary pages that need this dashboard added

Sprint 7 Review

Date: December 6, 2020

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners: All.

- User Story 14 Subscription Button on Company Pages
 - Added a button for subscribing to company updates on job search
 - Associated jobseekers to companies when they click subscribe
 - Still need to implement notifications for new job and event posts for subscribed companies
- User Story 22 Update/Add Side Dashboard for all Job Seeker Pages
 - At this time, we are only concerned with having the side dashboard be only the main pages of our site (e.g. the home page, the user profile, company profile, events page... etc.). Rather than be housed within the base template page, the side dashboard will be manually inserted in those pages with any necessary changes included to have it appear on those sites without any graphical issues
- User Story 32 Tweak Favorite Button Stylings
 - The graphics for the favorite buttons on the search page should indicate whether the button has been pressed or not (whether the “favoriting” is in effect)
- User Story 26 LinkedIn button
 - Something is up with the LinkedIn API, it needs to be fixed to get up and running again.
 - Test to see if a LinkedIn user is able to make a company profile and have company owner functionalities.
- User Story 30 Create Individual Posters
 - All team members will need to create individual posters as defined by the professor, highlighting the work they have contributed to the project
 - Posters are due November 30th.
- User Story 33 AWS server
 - Currently all data is being hosted locally.
 - We'd like to setup an aws server for our presentation and final deliverables so we can all be working on the same database.
-

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

- User Story 31 Final Deliverable Documents
 - All team members will need to work on the final deliverable documents and videos
 - The final deliverables are due December 14th

Sprint 8 Review

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners: All.

- ~~User Story 31 Final Deliverable Documents~~
 - ~~All team members will need to work on the final deliverable documents and videos~~
 - ~~The final deliverables are due December 14th~~

Appendix D - Installation/Maintenance Document, User Manuals, Shortcomings/Wishlist Document and other documents

Installation Instructions

Pre-requisites

- You should have some Python experience and know basic Unix bash commands.
- You will need to install Python which can be downloaded from <https://www.python.org/downloads/>
- Downloading Python will also install pip; this is required for our project
- You will also need to download and install Django using the instructions provided at: <https://docs.djangoproject.com/en/3.0/intro/install/>
- The final requirement will be to install PostgreSQL by using the instructions available at: <https://www.postgresql.org/download/>
- Additional information on our PostgreSQL implementation can be found within our documentation. Our database is currently hosted on an Amazon Web Services (AWS) server.

Virtual Environment

- Using the instructions provided on the previous slides, it is recommended to set up a virtual environment for our project and install Django within the virtual environment.
- Once you have set up and activated a Virtual Environment, you can navigate to our Code directory at:
Team-33-Aviation-portal-master/aviation-project

Install NLTK

- Install NLTK using the instructions at <http://www.nltk.org/install.html>
- Open your python IDLE and run the following commands to complete the configuration of NLTK:

```
>>> import nltk
>>> nltk.download('stopwords')
>>> exit()
```

Installing Django Packages

- Our Project makes use of various Django packages that can easily be installed by using the pip install manager
- Run the following pip install command within an activated virtual environment to ensure that all dependencies are installed correctly:

```
pip install wheel libsass django-sass-processor
django-google-maps django-mapbox-location-field
django-crispy-forms social-auth-app-django psycpg2-binary
pyresparser Pillow nltk django-filter
```

Running the Project

```
Python manage.py runserver
```

Shortcomings/Wishlist

Version 2 of our project added various significant features compared to Version 1. Implementation that was started in Version 1 was also completed for various features in Version 2. With this being said, there are still several wish list items we have for future development. These are as follows:

Front End Design and Styling

This was brought up during our showcase. A judge suggested that if we want to have a more professional site, we should hire or consult with a graphic designer. While the site's UI is fully functional and we received positive feedback on it, we agree that it could be improved.

Recommended Jobs

A great feature would have been for jobseekers to be able to view new job postings ranked by how many of their skills match the open jobs required skills. We discussed this but determined that the time it would take could prohibit completing other major features.

Recommended Candidates

Another great feature would have been for company owners to see how much a candidate's skills match one of their open job positions based on an algorithm that evaluates this relationship. We discussed this but determined that the time it would take could prohibit completing other major features.

In-Site Notifications

Some notifications were set up this semester to let company owners know when they receive new applications as well as let jobseekers know of any status updates to their applications. There is also the ability to subscribe to companies to receive email notifications of updates from them. All of this information is available in the web app, however, there is no built in notification system for the site that gives you a visual indicator of a new notification.

Contact Page

This was brought up during our showcase. A judge suggested that if we want to have a more professional site, we should include a contact, about, or support type page where users of the site can contact us (the developers) if they encounter any issues while using our platform.

Additional Side Dashboard Menus/Functionality

On the side dashboard, there is additional space available for more functionality/information. For example, a user's profile picture and name can be included at the top. There is a favorite jobs menu available for job seekers, but there is possibility of including more menus for the company owner such as: recent applications, applications marked for review, etc.

User Manual (Job Seeker)

The following sections will describe usage of our Aviation Job Portal from the perspective of a Job Seeker.

Registering for a new User Account

This user will be able to register for a new account by clicking the register button for "Jobseeker" there they will be prompted with a form to fill out such fields such as the account name, password, and email address. Once registered the user will be logged in and redirected to their user profile page. Another option jobseekers have is logging in with their LinkedIn credentials and then having their LinkedIn account name, and transferred password to the site. Once a jobseeker has an account made they can freely log in and log out whenever they choose.

Passwords are stored in a hash so we may not violate our users privacy when it comes to the protection of their passwords.

Home Events Login Register

Log In

Username*

Password*

[Forgot Password?](#)

Log In Sign Up

Log In with LinkedIn

Create An Account

Username*

Required: 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*

Enter the same password as before, for verification.

Email*

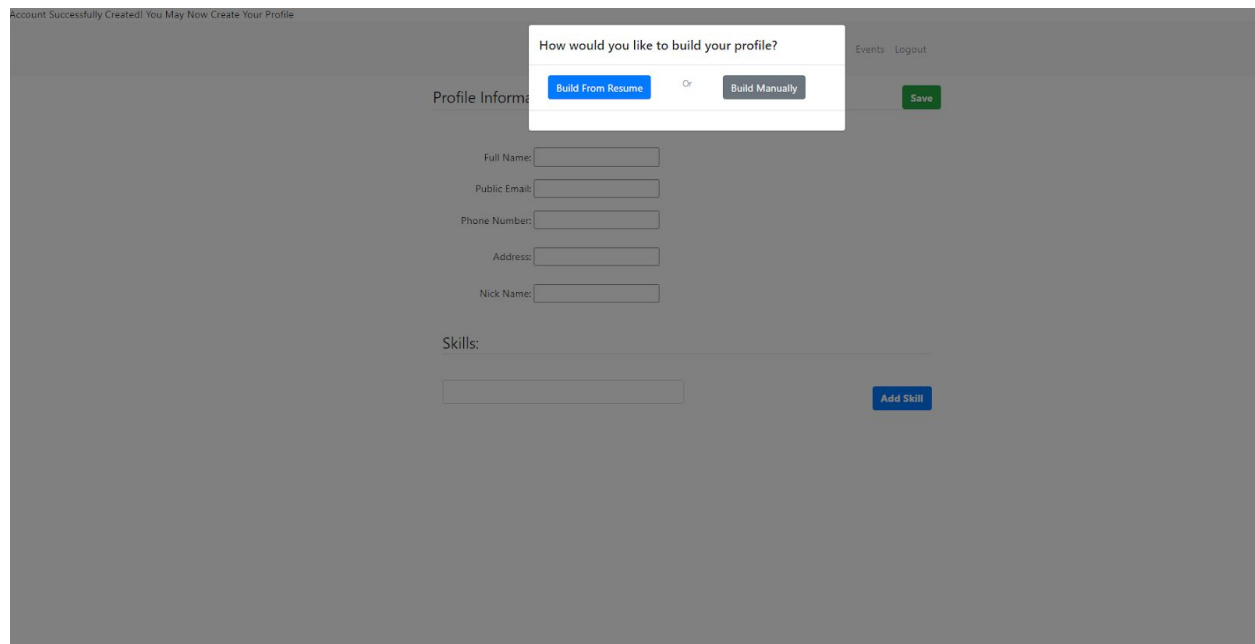
Sign Up

Already Have An Account? [Sign In](#)

Creating a new User Profile

As a jobseeker the User is prompted to create their profile right after registration. They have the choice to build their profile manually or to build via a resume. If you wish to quickly fill your

profile you may upload your resume via the “Build From Resume” button found on the Profile builder page. After uploading a .PDF or .DOCX file the server will redirect you back to the profile builder with the extracted information in the appropriate fields.



The screenshot shows a web interface for building a profile. At the top, a message reads "Account Successfully Created! You May Now Create Your Profile". In the top right corner, there are links for "Events" and "Logout". A modal dialog box is centered on the screen with the title "How would you like to build your profile?". It contains two buttons: "Build From Resume" (highlighted in blue) and "Build Manually" (in grey), separated by the word "Or". A green "Save" button is located to the right of the modal. The background is a "Profile Information" form with the following fields: "Full Name:", "Public Email:", "Phone Number:", "Address:", and "Nick Name:". Below these is a "Skills:" section with a text input field and an "Add Skill" button.

Editing an existing User Profile

As a jobseeker, the user should be able to edit their userprofile. Your User Profile can contain contact information, work experience, education experience, and skills. By default it is already populated with information gathered from registration. Since the user profile is created while your registration, but the information is incomplete, the user can complete their information by accessing the “Update Profile” section, and enter the information that is missing or needs to be changed, including fullname, email, address etc. Username is designed to be inalterable. The user can also reset their password by clicking the “change password” button. Once they click, the page will be redirected to another page and ask the user to enter their email, then the user can change the password through the email link. For the other part of the userprofile, the jobseeker is able to enter their working experience and education experience as much as they can. Click the “delete record” button under the record to delete the record.

Logout

Update Profile

Name:

Nickname:

Email:

Phone Number:

Address:

[Go Back](#) [Submit](#)

[Upload Resume](#)

[Basic Informations](#)

[Education Experiences](#)

[Working Experiences](#)

[Update Profile](#)

[Skills](#)

Searching for Jobs

The user can search for jobs from a database using either words from the jobs name and/or the location of the job or any of the filters. After the jobseeker profile is created, the user can search using the search engine for title, location, or job type of their preference, then click the “Search” button. On the backend, the values are taken and used to acquire the jobs from the database that matches the criteria. On the Frontend, the page redirects to the search page where the jobs, based on your search, are listed. From here the user can apply the filters to narrow the search results. After the filters are applied the backend again takes the values and reacquires the jobs from the database. The frontend again displays the list of jobs for the user

Position: Where: [Search](#) [Logout](#)

[Job Type](#) [Distance](#) [Date Posted](#) [Salary Range](#) [Other Filters](#) [Clear Filters](#)

[Relevant](#) 9 Jobs Found

Job Type	Distance	Date Posted	Salary Range	Other Filters
AA	19 days			
Java Developer I				
100 Terminal Dr, Fort Lauderdale, FL 33315				
AA	14 days			
Java Developer II				
11200 SW 8th St, Miami, FL 33199				
AA	17 days			
Python Developer 1				
14325 SW 268th St, Naranja, FL 33032				

AA
Java Developer I
\$40000 - \$60000
Always in the air!

[Apply Now](#) [Favorite](#) [Company Page](#)

Events page

In this page you are able to look at the events that any company owner posted. Here you are able to see which company posted the event, the event name, what the event posted date is, and when the day of the event is. You are also able to sort by the title of the event, date posted, or the date of which the event will be. You can choose how many events you'd like to see per page, and click on the next page to browse the events. Lastly, if you are thinking of going to an event you may click on the RSVP button and look at only the events you RSVP for. You may click on this button again to remove the event from being in your RSVP list. Finally, if you want to view all the events just click on the show all the events button and all the events will be displayed.

Created By	Event Name	Description	Posted	Day of Event	R.S.V.P. for Event
	Meet And Greet Event	Come meet with and talk to us online at somewebsitevent.com at 1/1/2021 at 4:00 P.M. UCT.	Oct. 10, 2020, midnight	Jan. 1, 2021, midnight	RSVP
	Free Workshop	Come and learn useful skills that will help in the aviation industry. In New York City at 3/4/21 at 3:00PM.	Dec. 12, 2020, midnight	March 4, 2021, midnight	RSVP

<12>

Subscribing to Company Updates

A Jobseeker has the ability to view a company page and subscribe to company updates when searching for job postings. When they find a company they are interested in hearing about future updates from, they can navigate to the company page by clicking on Company Page from the Job Search screen:



New Pilot Position

American Airlines Co.

\$100000 - \$120000

17 Pilot Full Time

American Airlines is looking for a new Pilot to join our team. Minimum 2 years experience.



Apply Now

Company Page

After doing so, the jobseeker can click on Subscribe to receive email notifications for new job posts or event posts from this company to the email within their user profile. If the jobseeker no longer wishes to receive these email notifications, they can navigate back to the company page and click Unsubscribe.



American Airlines Co.

123 Main Ave

Subscribe

About

[Jobs](#)

[Events](#)

About COMPANY

American Airlines Partners



American Airlines Co.

123 Main Ave

Unsubscribe

About

[Jobs](#)

[Events](#)

About COMPANY

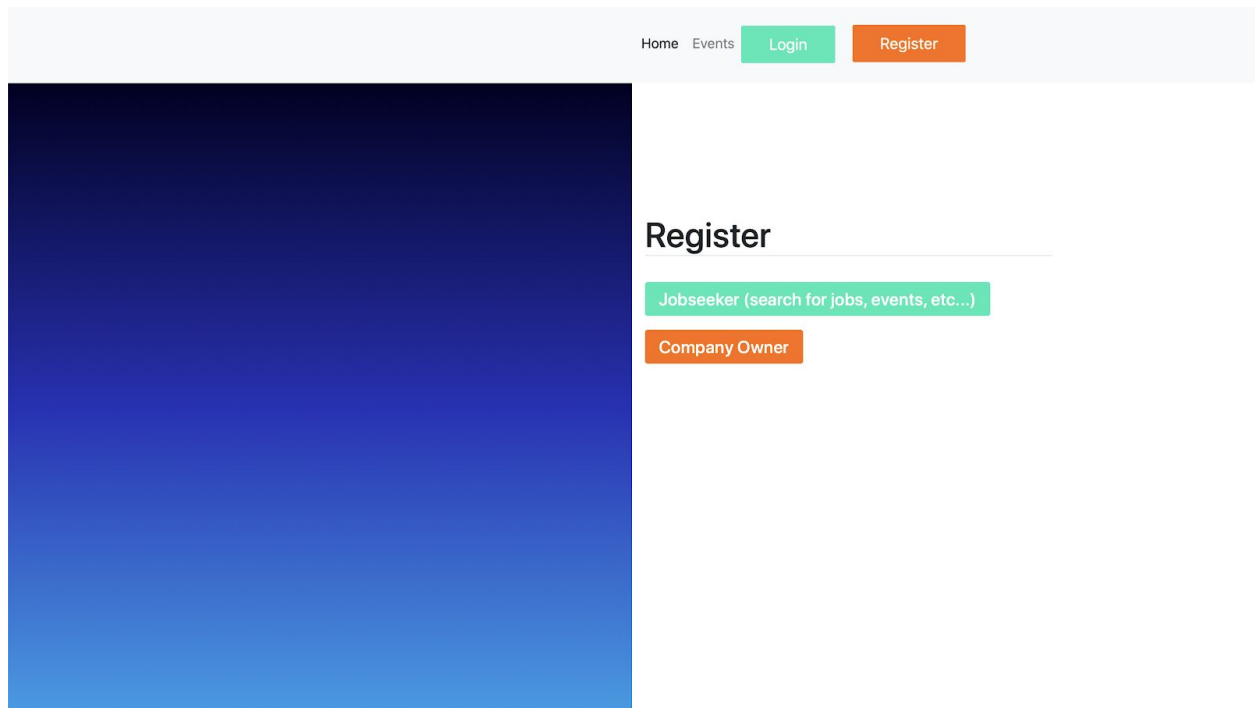
American Airlines Partners

User Manual (Company Owner)

The following sections will describe usage of our Aviation Job Portal from the perspective of a Company Owner.

Registering for a new Company Owner Account

When registering for a new company owner the user must go to the register page click the “Company Owner” button and proceed to fill out the registration form. The registration form will ask for their username followed by their password, and retyping their password again for security reasons, and lastly they need to provide a valid email address. Once the user account has been created this will then prompt them to the next form the company profile form. Next, once they’re done with the company profile form the new user is placed in the company_owner user group, their company_profile has been created, and they’re redirected to their now new company profile page where they have certain features available to them such as being able to post a job, view jobs, and edit/update company profile.



Creating a new Company Profile

A company profile is created after the user registers for the first time. Now, the company owner will be prompted with a form to create the company profile. The forms included in the company profile include the company name, phone number, address, and company description. Once the company profile is created it will have a company profile foreign key that'll match the user id that

was created when you registered. If you were to delete your user then your company profile will also be deleted. The company profile will have a primary key as well that other models in this project will use as a foreign key. Lastly, the company profile does in fact have two more attributes which are the company profile logo, and the company profile banner.

[Home](#) [Events](#) [Profile](#) [Logout](#)

Account Successfully Created! You May Now Create Your Profile

Create Company Profile

Company Name*

This field is required.

Banner*

Choose File

no file selected

Phone Number*

This field is required.

Address*

This field is required.

Company Description*

This field is required.

Done

[Home](#) [Events](#) [Profile](#) [Logout](#)





American Airlines
AA
Fort Lauderdale.

Add Job

Add Event

Jobs

About

Update

Pilot

FullTime

We're looking for a pilot to drive our planes.

Edit

Delete

Editing an existing Company Profile

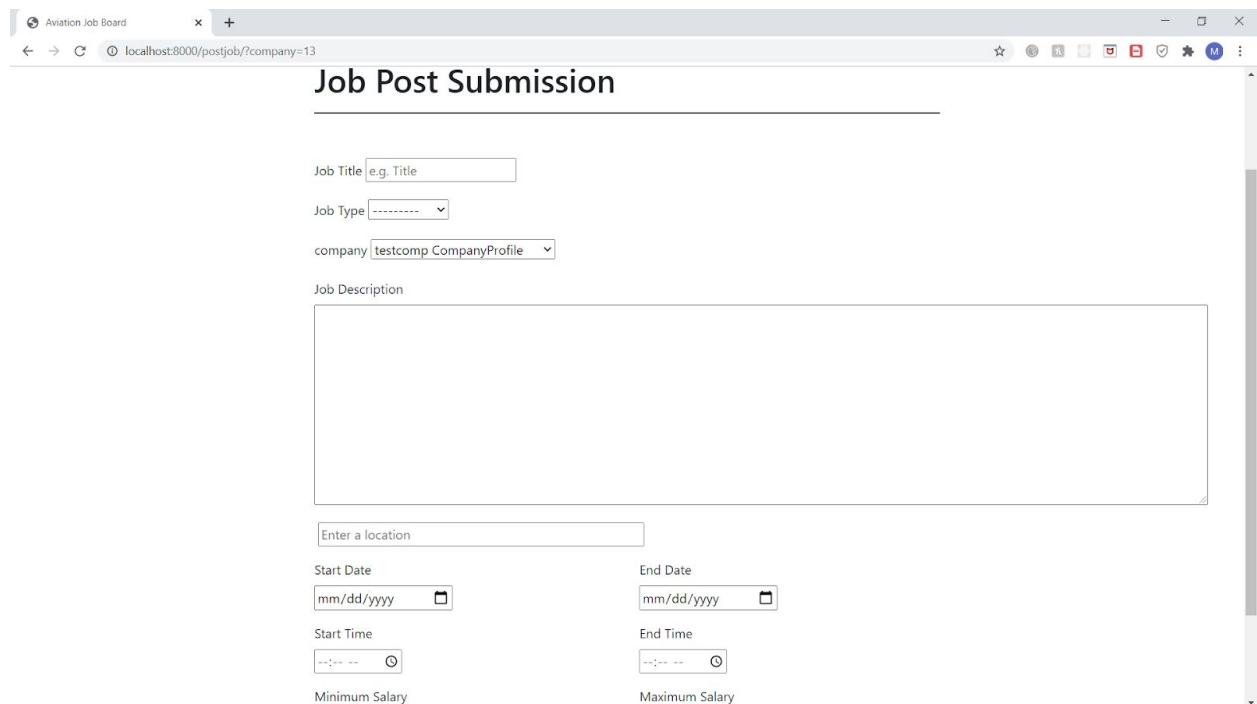
If you are a company owner you can edit your profile by clicking on the company profile link in the navbar, followed by clicking on the update tab in the company profile page. In the update form you can change any of the company profile fields such as the company name, description, logo, banner, phone number, and address, and click the update button. In that very same form you can also change the username and email address and click the exact same update button. If you'd like to change the password you need to click the change password link in that update form and you will be redirected to a page where you can insert your email address, and then you will receive an email that will provide you a link back to the site to change your password. This is done for security reasons, and if for whatever reason you are unable to find the email to change the password check your spam and the email will most likely be there. Feel free to modify/update the company profile whenever you'd like, as many times you'd like. Keep in mind that jobseekers will be able to view the company profile so change if you find any reason to do so.

The screenshot shows a web interface for updating a company profile. At the top, there's a header bar with a user profile icon, the name 'Airline', the role 'company_owner', and the location 'United States'. To the right of the header are two buttons: 'Add Job' (green) and 'Add Event' (orange). Below the header is a navigation bar with four tabs: 'About', 'Update' (which is active), 'Jobs', and 'Events'. The main content area is titled 'Update Company Profile' and contains a section 'Account & Company Info'. This section has several form fields: 'Username*' with the value 'company_owner' and a note 'Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.'; 'Email*' with the value 'something@email.com'; 'Image*' with a note 'Currently: default.jpg' and a 'Choose File' button; 'Banner*' with a note 'Currently: boeing_logo.jpg' and a 'Choose File' button; and 'Company Name*' with the value 'Airline'.

Posting new Jobs

A user with a company profile can post new jobs for seekers to view and apply. After the company profile is registered the user has the option to post a job via clicking the button. After pressing the button, the website redirects to the form page where the user starts filling the information into the correct field. After all the fields are filled, the user can submit the form and the backend validates that the input is correct. After validation the job posting is saved to the

database, connected to the profile, and the page redirects back to the company profile page where the user can now see the newly created job and has the option to submit another job.



The screenshot shows a web browser window with the title 'Aviation Job Board'. The address bar shows 'localhost:8000/postjob/?company=13'. The page title is 'Job Post Submission'. The form contains the following fields:

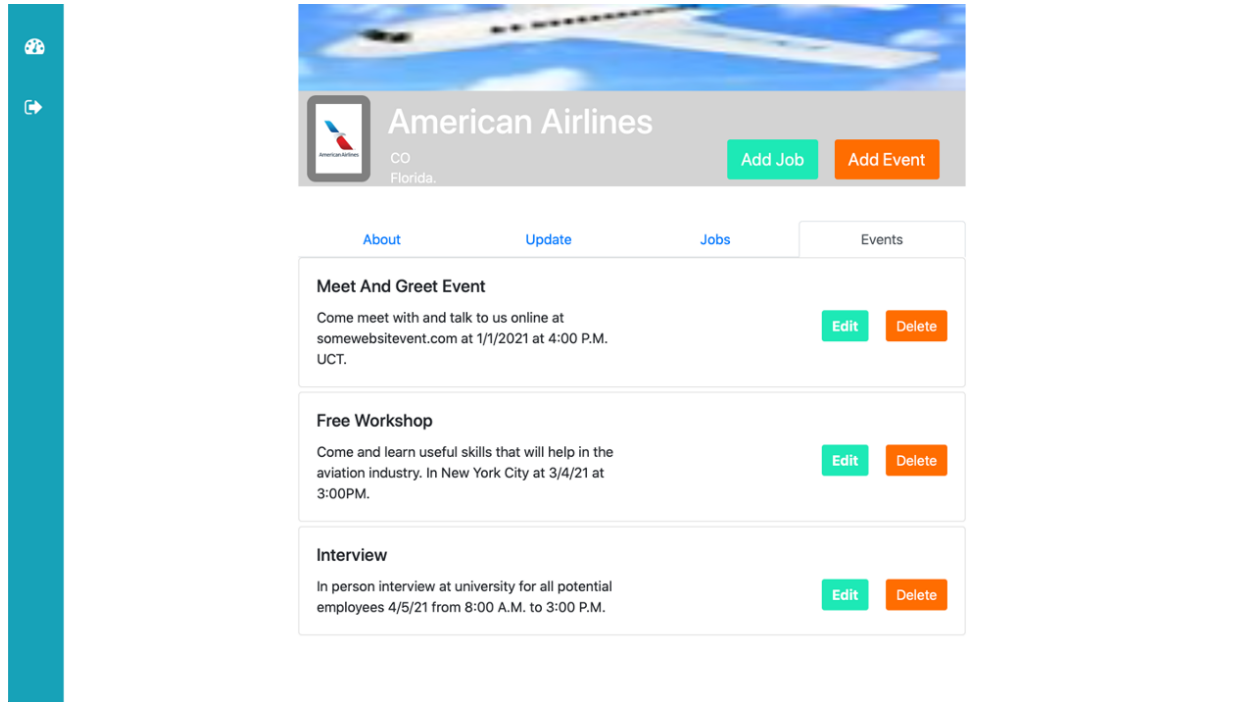
- Job Title:
- Job Type:
- company:
- Job Description:
- Enter a location:
- Start Date:
- End Date:
- Start Time:
- End Time:
- Minimum Salary:
- Maximum Salary:

Add a valid Address to the Job

When a Company Adds a Job there is a field for Address, this field has an auto suggestion feature for valid addresses. This is to ensure that the address is valid for the address search bar and has a geolocation for the distance filter.

View Events

When a company owner posts and events, you can view the event in this tab pane in the company profile page. Here you're also able to click to either edit or delete any of your events.



Post Event

When a company owner chooses to post an event this page will show, here they will be able to insert the event title, description of the event, date they'd like for their event to show when it was posted, and the deadline date which is the day that the event will be. Once finished the company owner may click done and their event is now posted.

Post Event

Title*

This field is required.

Description*

This field is required.

Posted*

This field is required.

Deadline*

This field is required.

Done

User Search Page

A company owner is able to look at all the jobseekers on the site, and view their profile pic, name, skills, and email. In this page you are able to filter by name or skills to look for jobseekers. In addition, you also have the option to email a jobseeker by clicking on the email button. When the email is sent the jobseeker will be able to see your company name, so they know it's you trying to contact them, and they'll receive your email so that they may email you back.

[Profile](#)
[Search Users](#)
[Applications](#)
[Logout](#)

User Search Page

Name:
Skills:

Pilot skill entry
Air traffic controller skill entry
Flight Attendant skill entry
Hospitality skill entry

Profile Pic	Name	Skills	Email
	Amelia	Sheet metal welder skill entry Mechanical Engineer skill entry Aerophysics skill entry	None
	Dave	Pilot skill entry Air traffic controller skill entry	Idk@something.com
	James	Pilot skill entry Flight Attendant skill entry Hospitality skill entry	None

Reviewing User Applications

A company owner can view the applications to their posted jobs at any time by clicking on the Applications tab on the nav bar. On this page the company owner may reject, mark, and accept applications. They are also able to filter through these applications via job, status of application, and the name of the applicant. You can download any attached files by clicking on the docs button. You may also add notes to an application so you may remember them for later. Changing the status of an application will send an email to the applicant notifying them of any changes.

[Profile](#)
[Search Users](#)
[Applications](#)
[Logout](#)

4 All Applications

Filter by Job:

All Jobs
Dispatcher FT
Dispatcher FT
Dispatcher FT
A&P Mechanic
Helicopter MX Pilot

Filter by Status:

All Applications
Unread - 1
Rejected - 1
Reviewed - 1
Accepted - 1

Applications

Job	Name	Status	Date Submitted	Attachments	Actions
Dispatcher FT	Ryan Pineyro	Rejected	Dec. 4, 2020	Docs Profile Notes	Mark for Review Hire Reject
Flight Attendant	Ryan Pineyro	Under Review	Dec. 4, 2020	Docs Profile Notes	Mark for Review Hire Reject
Helicopter MX Pilot	Alex Jones	Unread	Dec. 4, 2020	Docs Profile Notes	Mark for Review Hire Reject
Avionics Technician	Alex Jones	Accepted	Dec. 4, 2020	Docs Profile Notes	Mark for Review Hire Reject

References

<https://docs.djangoproject.com/en/3.0/topics/>

<https://www.python.org/>

<https://www.postgresql.org/>

<https://www.nltk.org/>