

Aviation Job Board Portal

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PROBLEM

There are various online job boards that allow for their users to post new job postings, apply to jobs, submit a resume, etc. but they do not cater specifically to the Aviation and Aerospace Industry. In addition to this, the sites that do exist for the Aviation and Aerospace employment market appear to be lacking significant features that give sites like LinkedIn or HandShake an edge. Our site was designed to provide the most functional and feature-rich experience for Employers and Jobseekers in the Aviation Industry.

CURRENT SYSTEM

At the beginning of this semester, the state of the site was as follows:

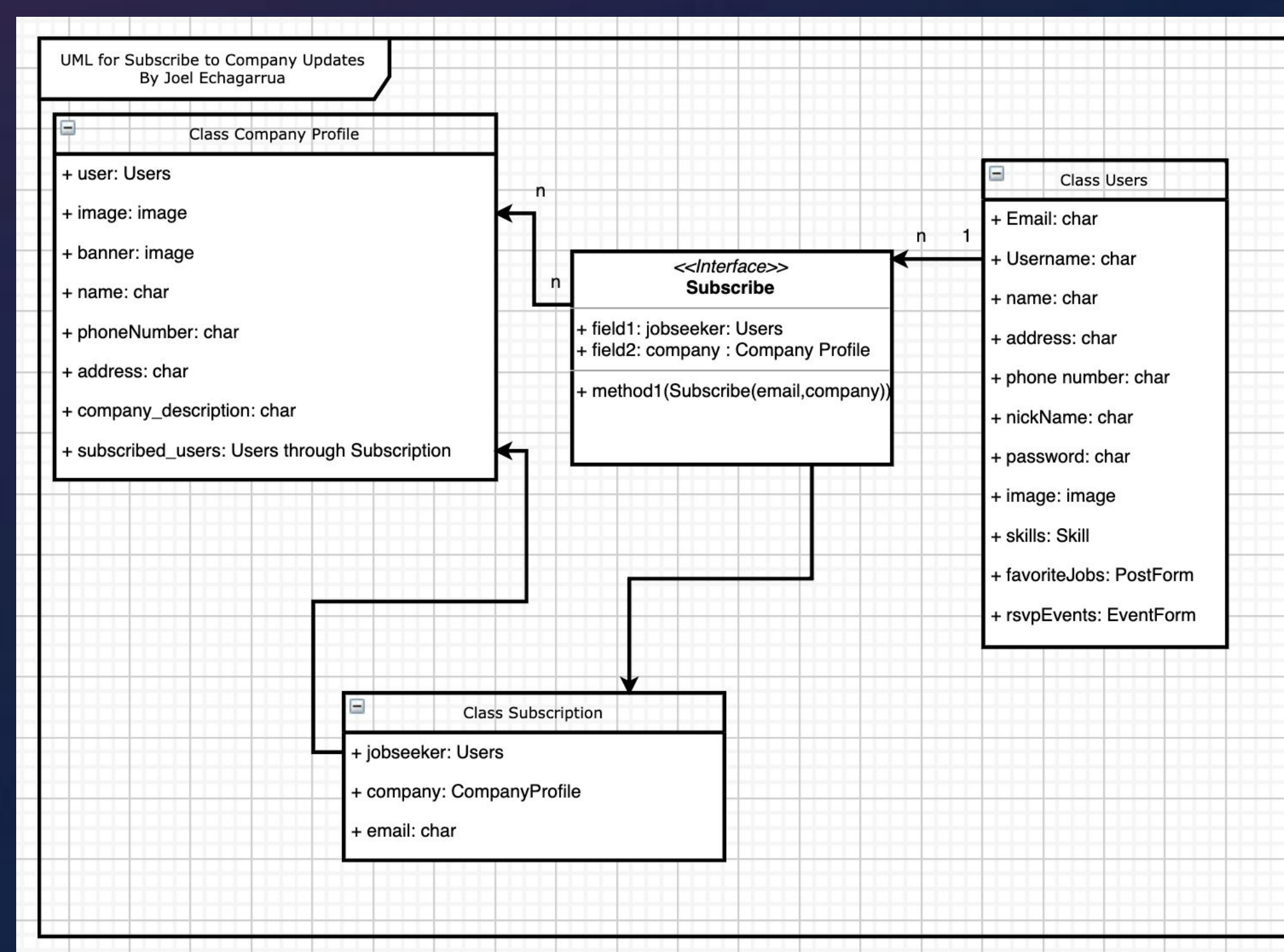
- Authentication, Logging in as Jobseeker or Employer functional.
- Posting Jobs functional.
- Creating Employer Profile functional.
- Applying to Jobs functional.
- Uploading Resume and parsing skills from Resume functional.

REQUIREMENTS

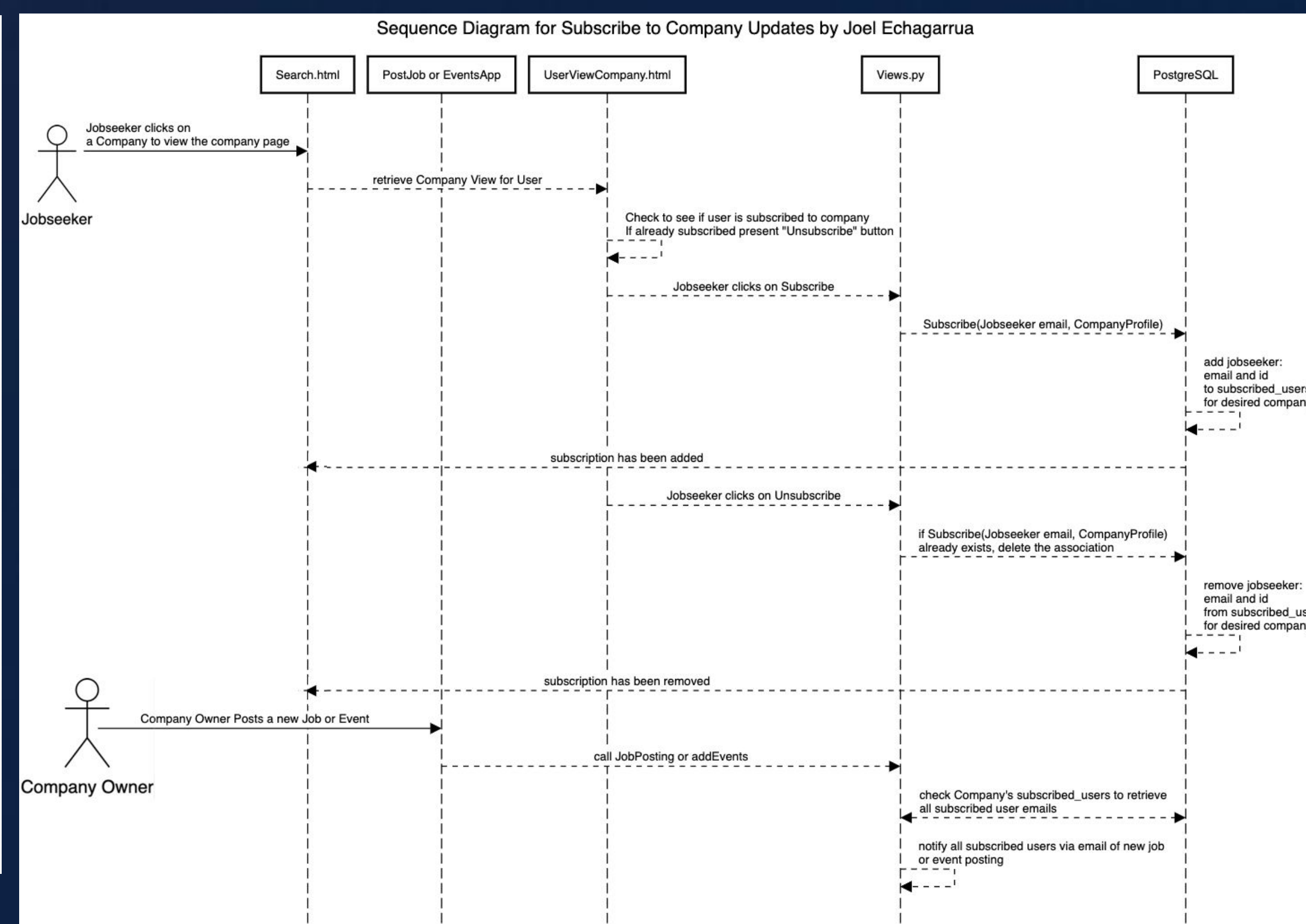
For this semester, these are some of my assigned features and stories:

- Fixing User Profile bugs that prevented address from being inputted
- Add Profile Picture upload
- Create an email notification system for various notification points throughout the site for both Jobseeker and Company Owners
- Create a Subscribe to Company Updates system that provides notifications any time a subscribed company posts a new job or event

OBJECT DESIGN



SYSTEM DESIGN



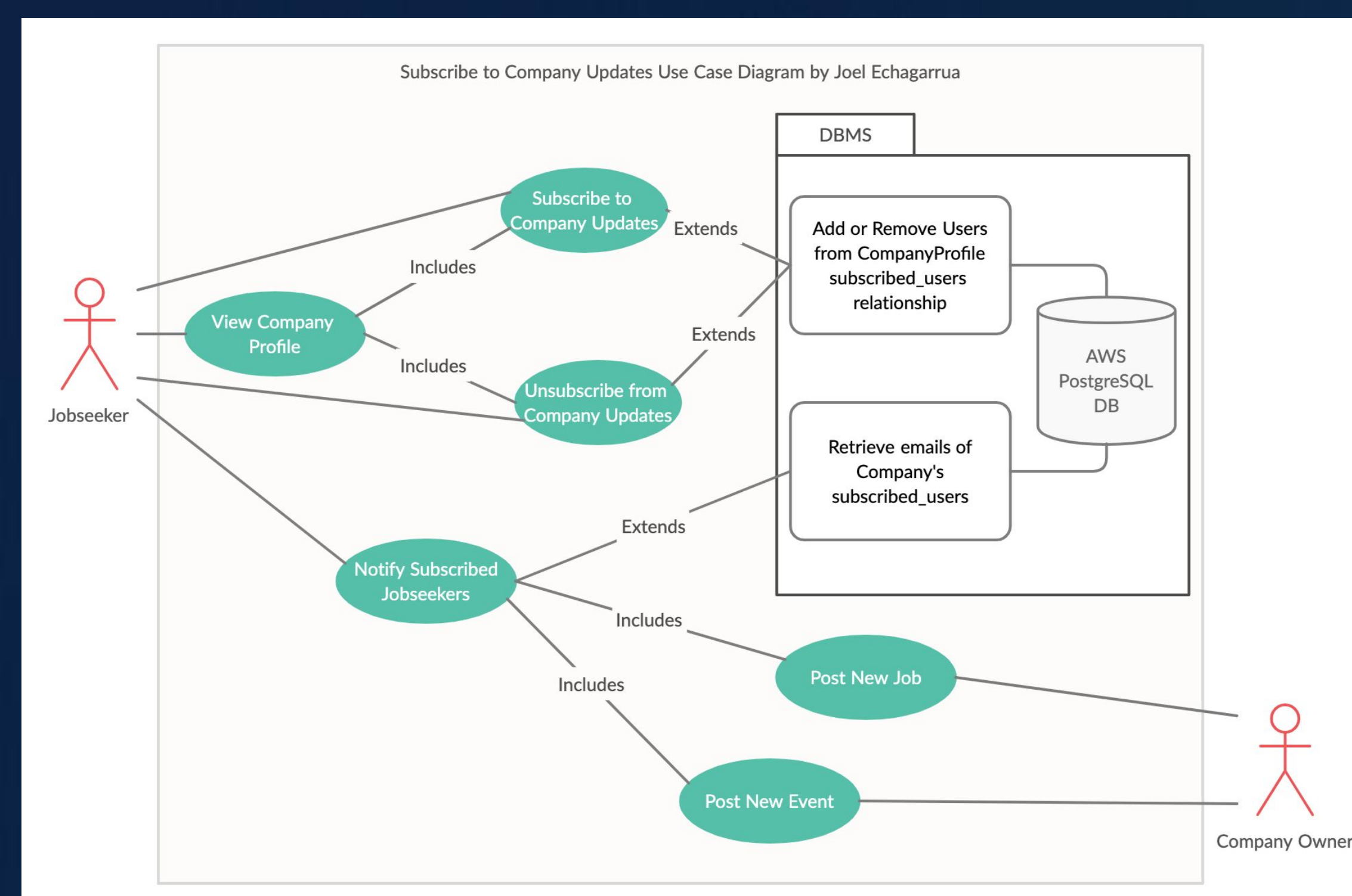
IMPLEMENTATION

The Following technologies were used in the implementation of our website:

- Python 3.8
- Django
- HTML5, CSS, SASS, JavaScript, jQuery, Bootstrap for Front-End
- PostgreSQL Database hosted on an Amazon Web Service (AWS) Server for Back-End

VERIFICATION

Various tests were created for each function or new feature that was added to our website. In addition to this, previous features were also consistently tested to ensure that new functionality did not alter any previous systems. For my own personal work, functionality was tested for subscriptions and notifications against various Jobseeker and Company Owner accounts to ensure that various permutations (including unexpected instances) of configuration were tested to work as expected.



SUMMARY

Overall, our Site built on our accomplishments from last semester. The site now allows for users to favorite job postings, subscribe to company updates, search and message potential job candidates, notify employers when new applications have been submitted, notify applicants of their application status, post and edit events, search and filter job postings, view company pages, and parse and save resumes for quick applications, which are all new functions that have been added this semester.