

FIU Engineering & Computing SCIS

Fall 2020 Senior Design Project

Aviation Job Board Portal

Students: Eric Bazan,

Product Owner / Instructor: Dr. Masoud Sadjadi , Florida International University

PROBLEM

Few aviation-based employment sites exist that use sophisticated solutions for transparently bridging job seekers with employers. Additionally, they don't include other solutions that dominant employment web platforms typically use to efficiently build profiles for their users such as through resume parsing.

CURRENT SYSTEM

- This is the projects second version
- Almost the entirety of the projects design was made from scratch

REQUIREMENTS

- Portal must allow jobseekers and employers to create and maintain profiles
- Jobseekers should be able to build their profile via resume parsing
- Employers should be able to post jobs and jobseekers should be able to apply to them only having to upload their resume

IMPLEMENTATION

- 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

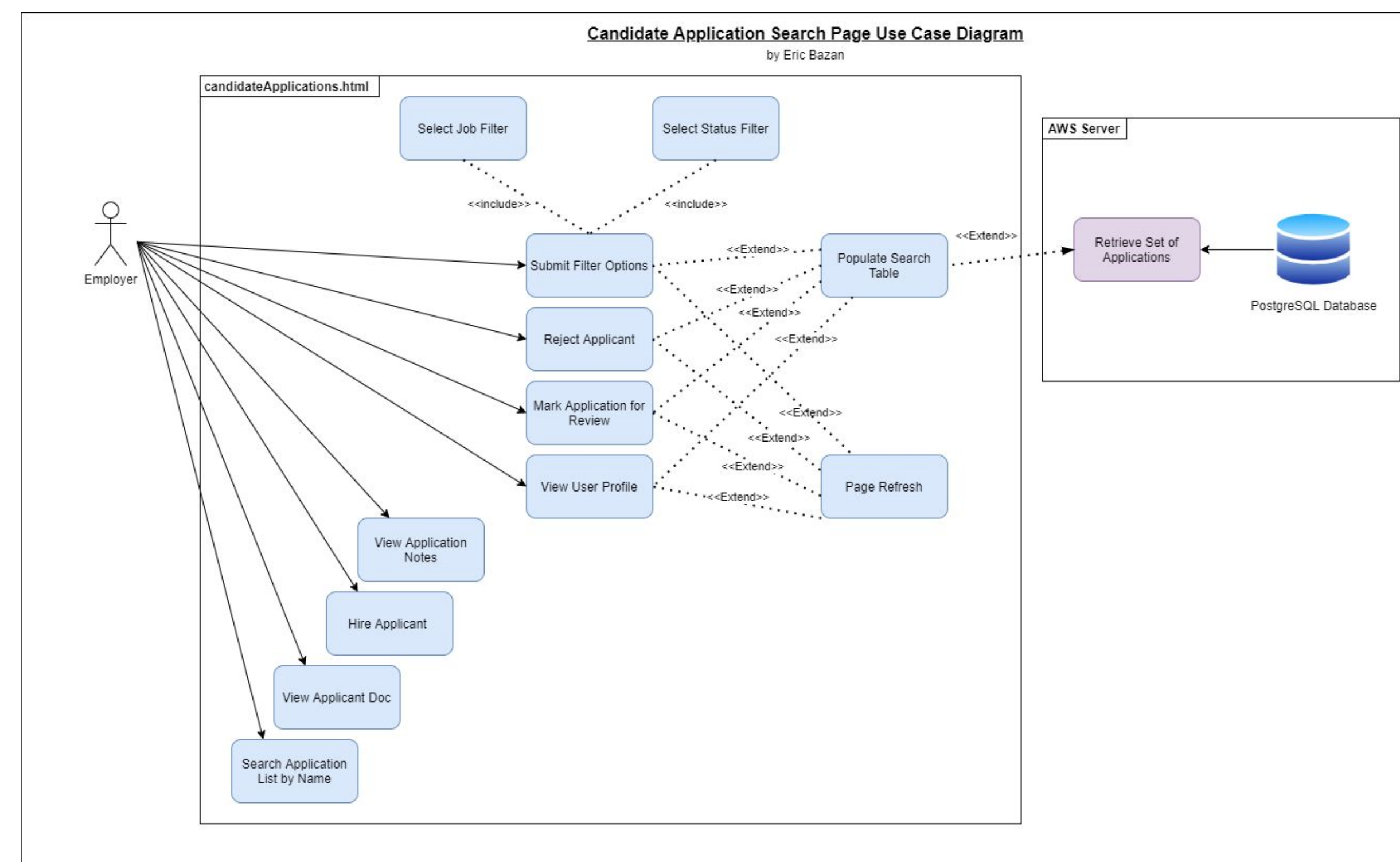
SUMMARY

Our website allows job seekers to customize their user profile with the assistance of a parser upon submitting a resume. Job seekers are also able to search and filter through job postings. In addition, Employers are able to customize their company profiles and post job postings for users to search for

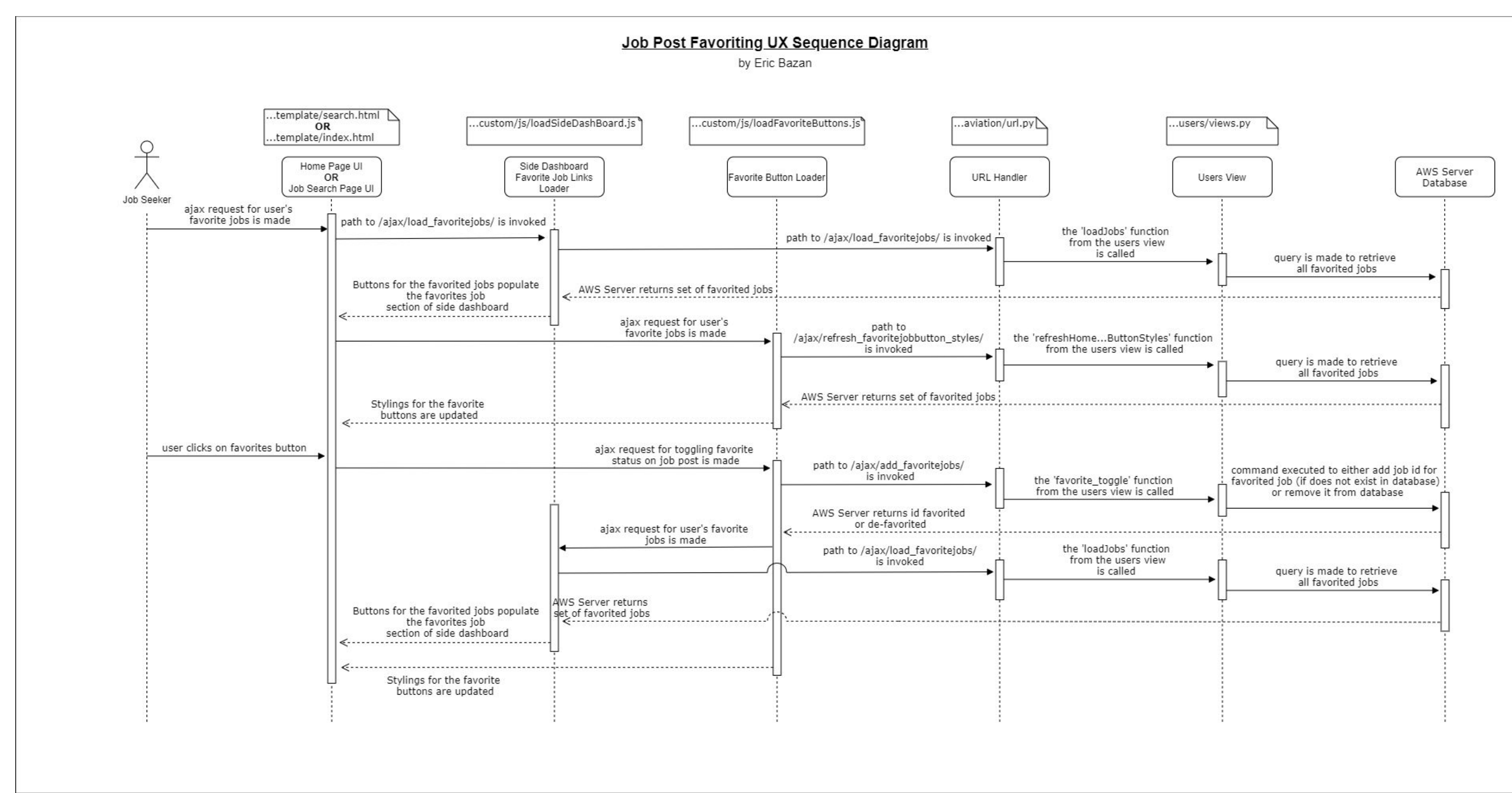
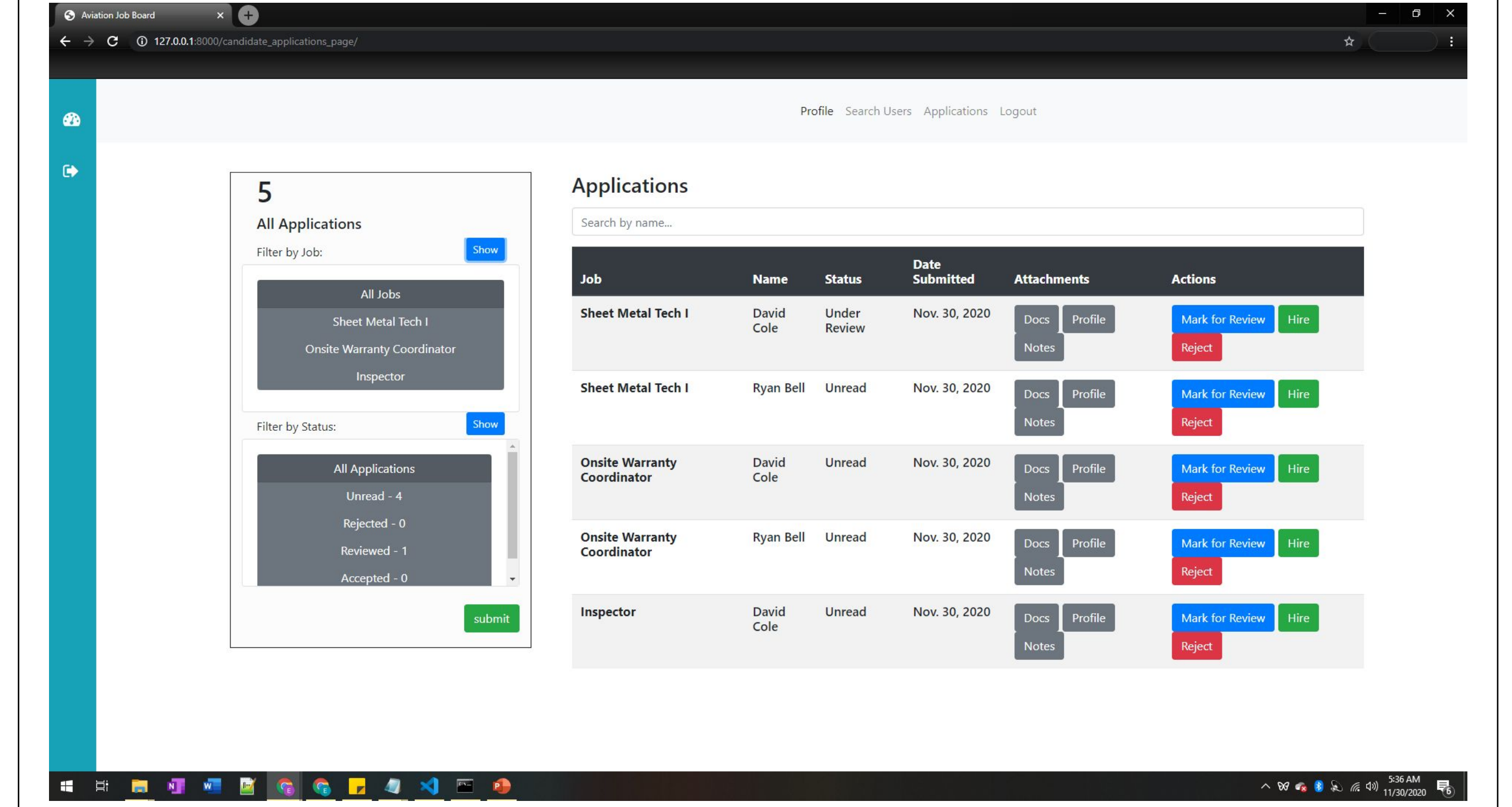
VERIFICATION

A set of mock data for job posts and users (of both job seeker and employers) were manually loaded into the database to test all user cases that involve interaction with job posts and user privileges. The websites parser was tested manually with mock resumes.

SYSTEM DESIGN



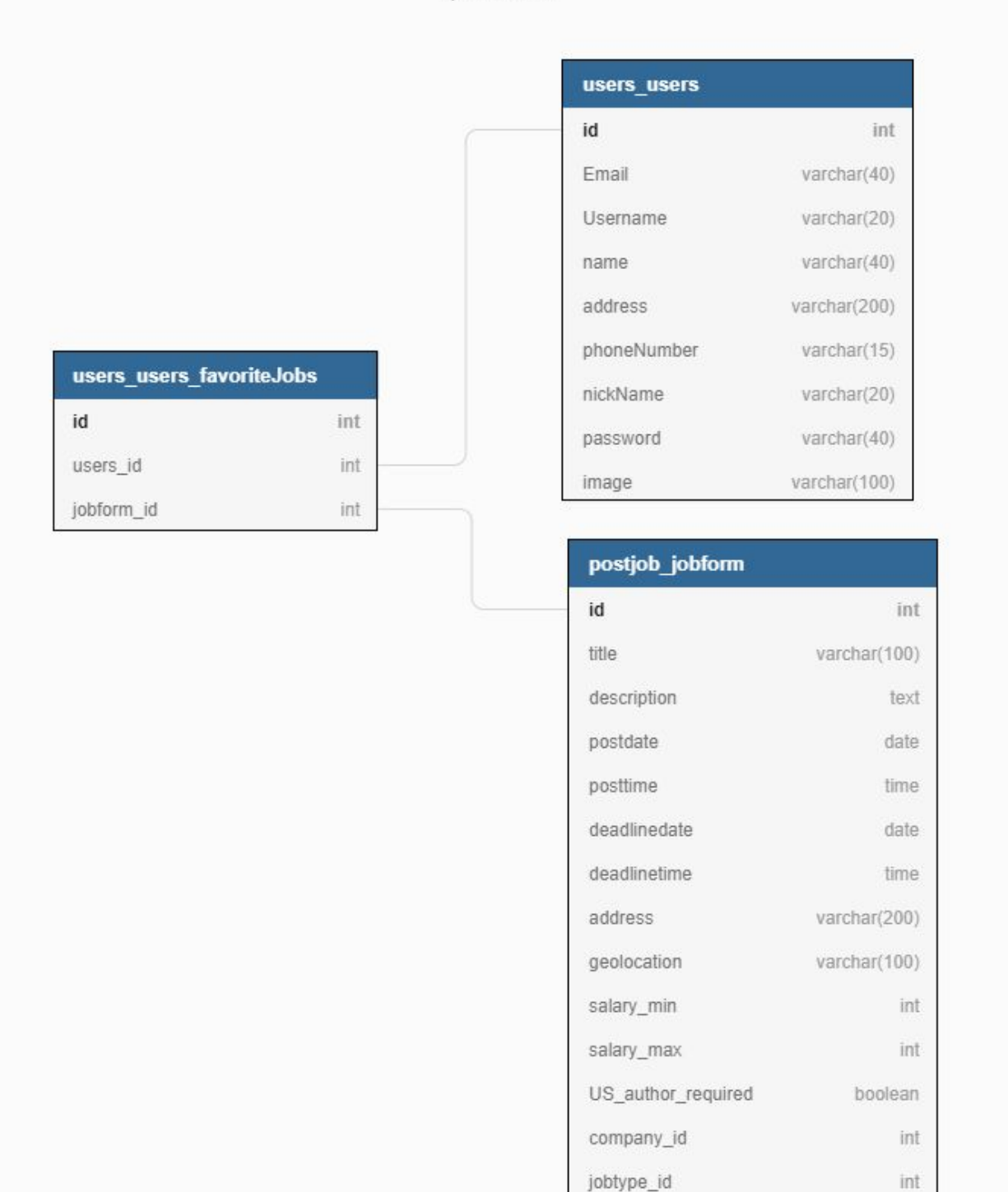
REFERENCES



OBJECT DESIGN

Favorite Job Post Related Object Models UML Diagram

by Eric Bazan



ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by FIU and the Architecture Department. We/I thank Dr. Masoud Sadjadi, Dr. Sumesh Kumar, and all my team members for their assistance and mentorship that We/I received throughout the senior design project.