

Florida International University

Fall 2024 Senior Design Project

PathTracker

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PROBLEM

As students, it is challenging to keep track of all the jobs and internships we applied to, along with important events like scheduled interviews. The process felt overwhelming and disorganized. To solve this, we developed a central platform to help users organize their job applications through a dashboard with analytics and organizational tools.

CURRENT SYSTEM

The current system enables users to create accounts and log in to their dashboards, where they can manually add job applications with key details such as company name, position, date applied and status.

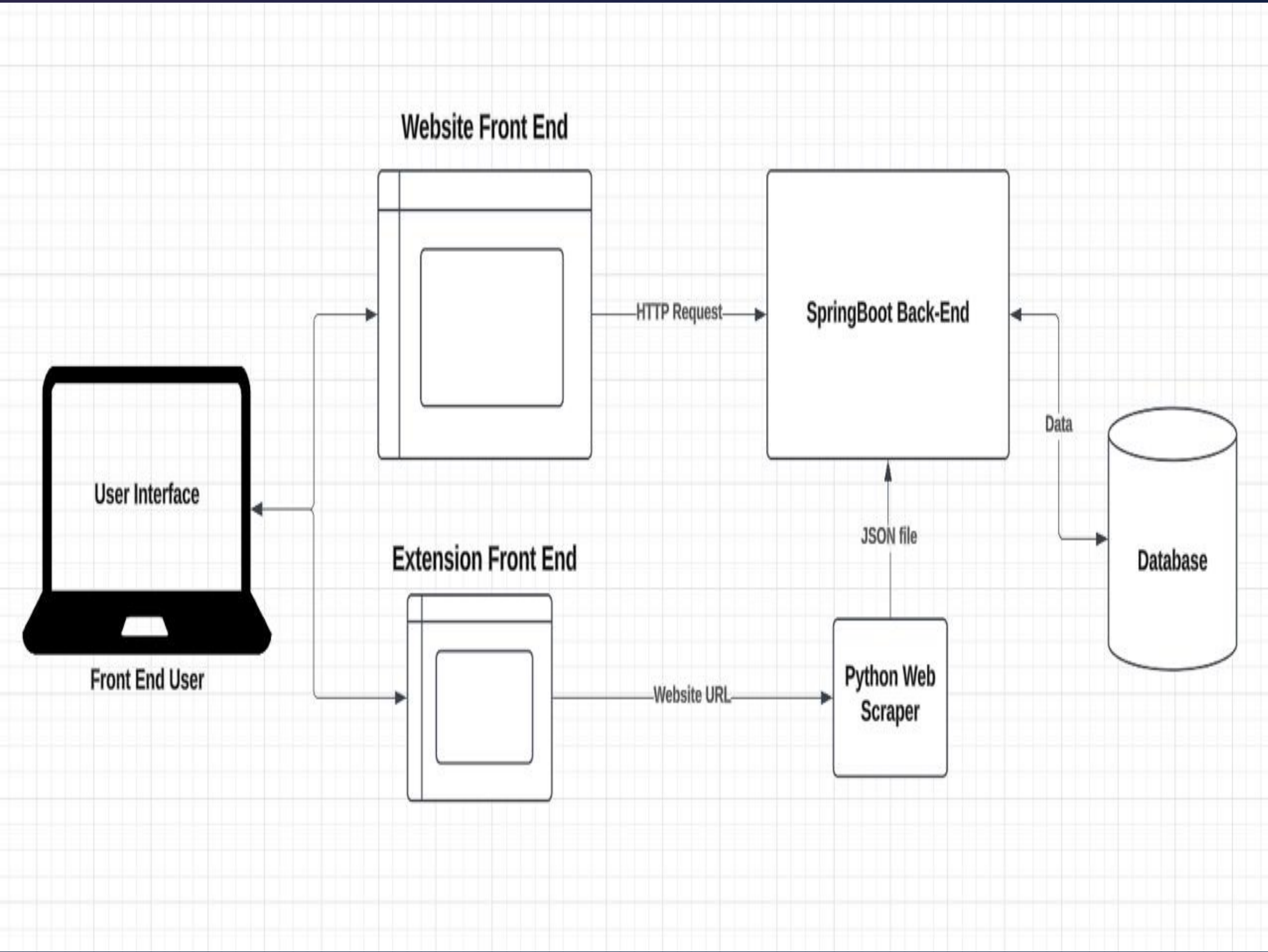
The app also offers analytics, including the total number of applications and a breakdown by categories. A Chrome extension is available to automatically save online job postings directly to the dashboard.

REQUIREMENTS

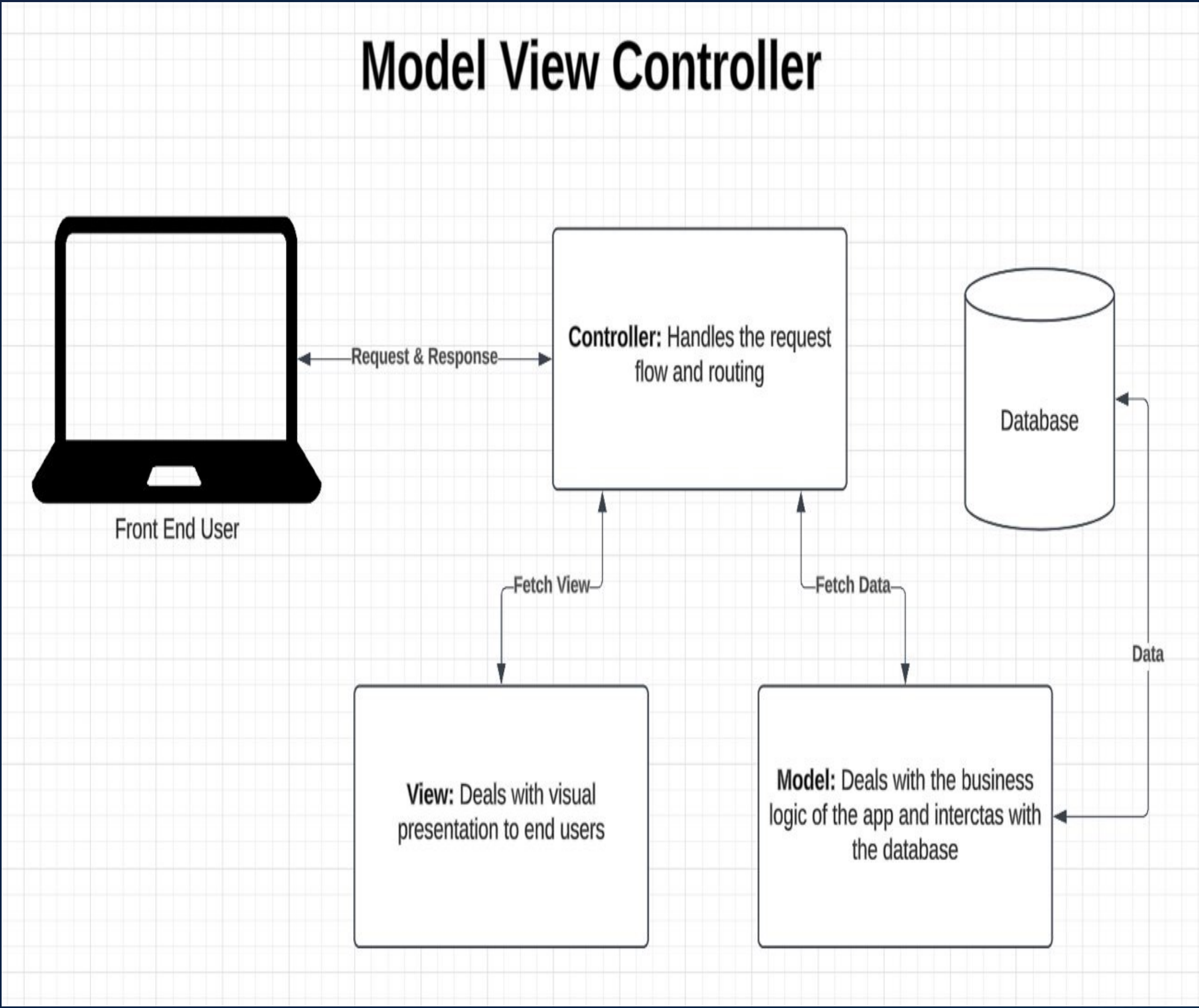
The requirements for my parts were:

Act as a team leader to ensure proper development during sprints. Optimize the layout of the front end to ensure a seamless and responsive user experience. Integrate backend data into the front end, processing and visualizing user-specific job application statistics using Angular and PrimeNG. Design and integrate web scraper with chrome extension to automatically extract job application details from various job boards, streamlining the data collection process for users.

SYSTEM DESIGN



OBJECT DESIGN



IMPLEMENTATION



VERIFICATION

During the development of the project, the team followed the Agile methodology to ensure we met the project deadline. We held scrum meetings multiple times a week to discuss progress, address challenges, and resolve any issues. Throughout the process, detailed documentation was maintained to ensure transparency and track the development stages effectively.

SUMMARY

Our team developed a web-based application aimed at simplifying the job and internship application process. This platform allows users to manage their job applications and track their statuses in a single, secure, and integrated system. The app includes features like analytics and organizational tools such as a built-in calendar to help users stay organized. With all of this, the app helps users in the process of applying for and managing multiple job opportunities.

Screenshots

