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Chosen Technology Stack

☑ Python + Django   ☐ Python + Tkinter

Features Implemented for Phase 1

- Feature 1.1
- Feature 1.2
- Feature 1.3
- Infrastructure Setup

Persistent Storage Design

We are using SQLite database to persist our data. Our database includes 15 tables, as seen in Figure 1.1. Many of these are mainly related to the infrastructure of the website, but the tables we primarily interacted with are as follows:

- auth_group:
  - Defines the two groups of users, recruiter and candidate
- auth_user:
  - Contains data for the user from account creation page for both groups of users, including which group (candidate/recruiter) they belong to. User object diagram is included in Figure 1.1.
- candidate_candidateprofile/recruiter_recruiterprofile:
  - Contains the inputted candidate/recruiter information from the profile creation page, for both candidates and recruiters respectively. The candidate/recruiter object diagram is included in Figure 1.2
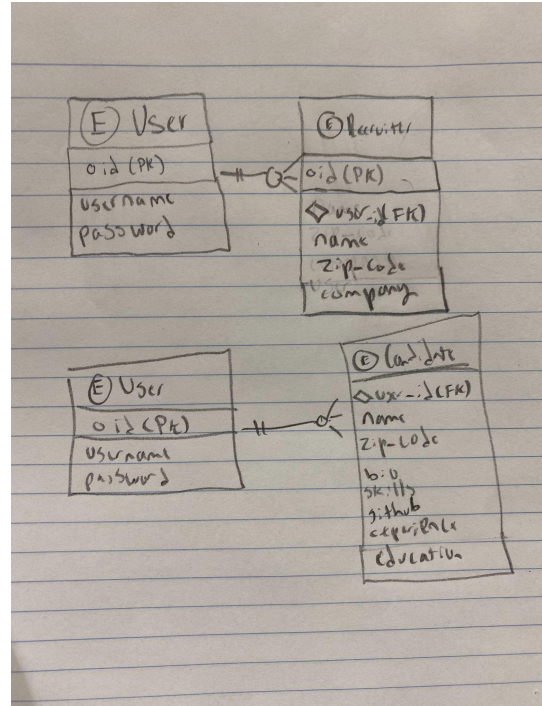
Figure 1.1 tables

Figure 1.2 database schema

Demonstration of the Features Implemented for Phase 1

Feature 1.1

Figure 2.1 shows a screenshot for the signup page. Here, a candidate enters a username and password and selects that they are a candidate. When the sign-up button is clicked, the user is redirected to the login page. Figure 2.2 shows the profile creation page for a candidate. The first time a candidate logs in, they will be taken to this page to enter the required information.

Figure 2.1 screenshot for feature 1.1 showing the account creation for a candidate
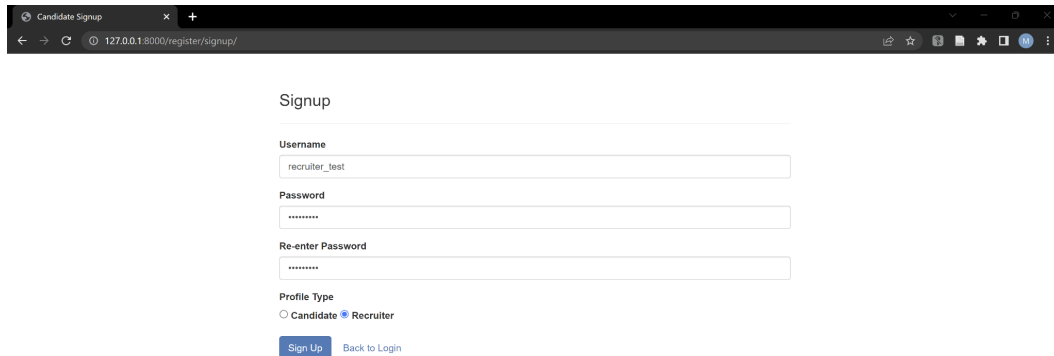

Figure 2.2 screenshot for feature 1.1 showing the profile setup for a candidate

Feature 1.2

Figure 3.1 shows a screenshot for the signup page. This page is shared the same as the one for candidates, but a recruiter will check the recruiter box to indicate the account type. After clicking sign-up, they will be brought to the login page. Figure 3.2 shows the profile creation page for
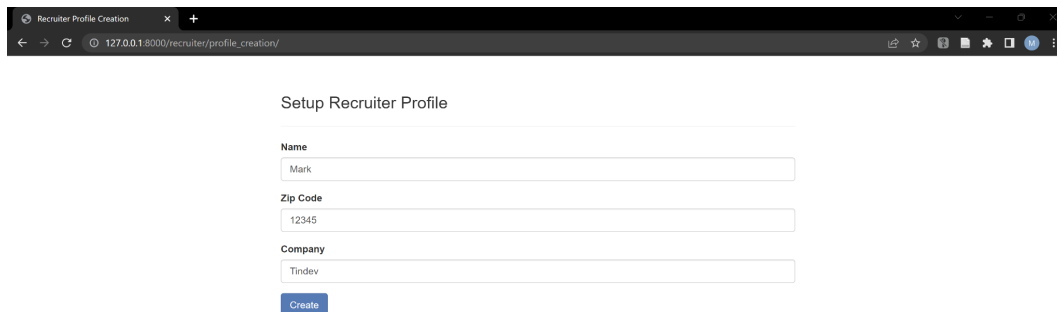
recruiters. This will be displayed to the recruiter the first time they log in with the account to fill in the required information.

Figure 3.1 screenshot for feature 1.2 showing the account creation for a recruiter
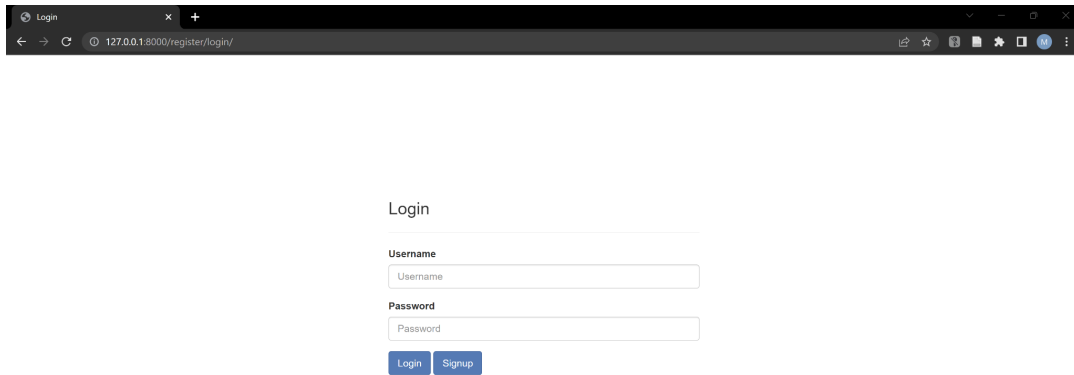
Figure 3.2 screenshot for feature 1.2 showing the profile setup for a recruiter

Feature 1.3

Figure 4 shows a screenshot for the login page. If a user has already created an account, they can enter their credentials and login to be taken to either the profile setup page or the homepage (depending on whether or not they have finished setting up their profile). There is also a signup button that will redirect the user to the signup page, where they can create either a candidate or recruiter account.

Figure 4 screenshot for feature 1.3 showing the login page