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Chosen Technology Stack

- Python + Django

Features Implemented for Phase 1

- Feature A: 1.1 Create New Candidate Profile
- Feature B: 1.2 Create new Recruiter Profile
- Feature C: 1.3 Log-in

Persistent Storage Design

For our project's data, we are using SQLite database to persist our data. Our database currently includes the tables shown below in Figure 2, Figure 4 and Figure 6. These tables consist of the candidate profiles, recruiter profiles, and users, respectively, and hold all of their information within the database. We used forms to register users onto the platform, using a recruiter form for recruiters and a candidate form for candidates, which are then stored in separate tables. Hence, by doing this, we are able to keep track of all the profiles in the system, both for candidates and recruiters, and will then be able to store all of the different posts and interactions that occur between the users of our platform. We then store the username and passwords of both recruiters and candidates in users in order to be able to authenticate each user individually.

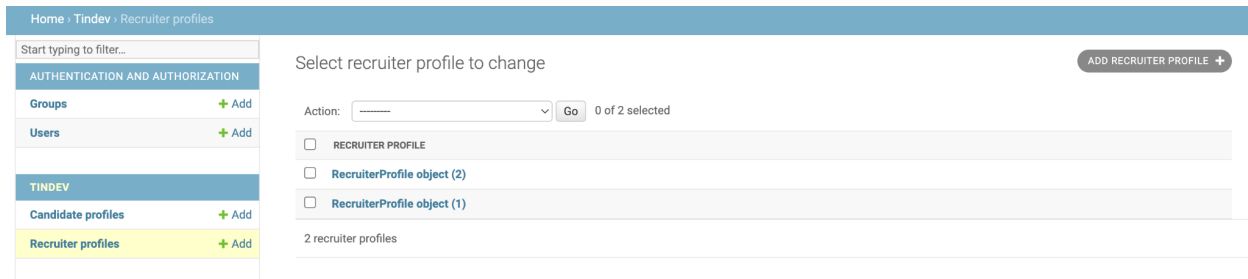


Figure 1: Recruiter database storage

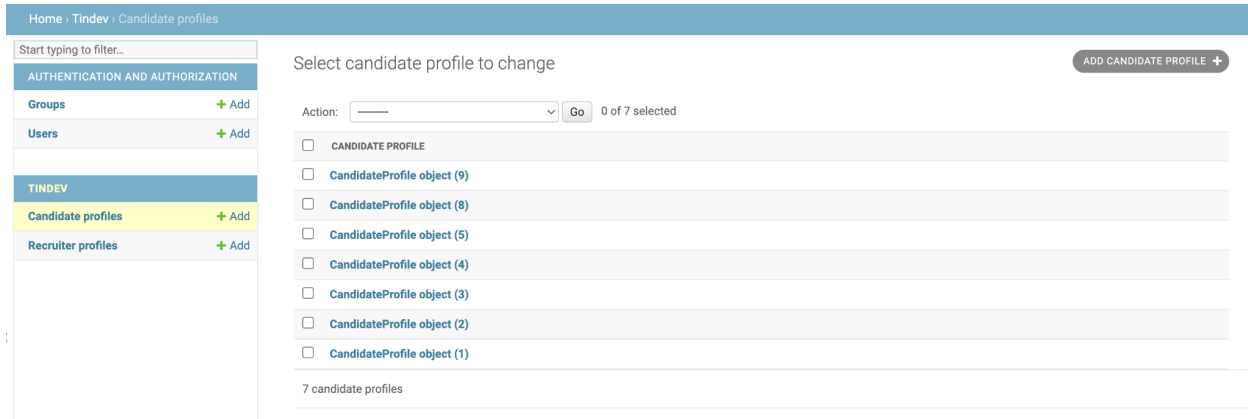


Figure 2: Candidate database storage

Demonstration of the Features Implemented for Phase 1

It should have at least one screenshot per feature. This should include not only the screenshots but also an explanation for them! Make sure the screenshots have good resolution (i.e., they can be readable when printed).

Feature A

For Feature A, we focused on giving users the ability to create a new candidate profile to use the platform. This is done through a form they have to fill out with important information and the data is then stored directly into our SQLite database. By creating their candidate profile, candidates are able to then use the platform to look at different job postings, connect with others, and hopefully land their dream job. Below, figure 1 shows a screenshot for the form that is filled out for candidates when registering, and figure 2 shows a screenshot of how their information is stored in the database.

Candidate Profile

Name*

Zip code*

Skills*

Years experience*

Username*

Password*

Figure 1: Form filled out by candidates

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

TINDEV

Candidate profiles + Add

Recruiter profiles + Add

Change candidate profile

CandidateProfile object (9)

NAME

Mariana Gonzalez

ZIP CODE

17127

SKILLS

a great human!

YEARS EXPERIENCE

1

USERNAME

mari

PASSWORD

1111

DELETE

Save and add another

Save and continue editing

SAVE

Figure 2: Candidate information being stored in the database

Feature B

For Feature B, we focused on giving users the ability to create a new recruiter profile to use the platform, which is done through a form they have to fill out with important information and that data is then stored directly into our SQLite database. By creating their recruiter profile, recruiters are able to then use the

platform to post different job opportunities for potential candidates, connect with others, and hopefully be able to attain lots of talented people. Below, figure 3 shows a screenshot for the form that is filled out for recruiters when registering, and figure 4 shows a screenshot of how their information is stored in the database.

TinDev

Recruiter Profile

Name*

Company*

Zip code*

Username*

Password*

Create

Figure 3: Form filled out by Recruiters

Home > Tindev > Recruiter profiles > RecruiterProfile object (2)

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

Users

+ Add

TINDEV

Candidate profiles

+ Add

Recruiter profiles

+ Add

Change recruiter profile

HISTORY

RecruiterProfile object (2)

Name:

Anna C Koziol

Company:

werth

Zip code:

06762

Username:

akoziol11

Password:

12356

Delete

Save and add another

Save and continue editing

SAVE

Figure 4: Recruiter information being stored in the database

Feature C

For Feature C, we focused on giving users the ability to log-in to the platform with their profile, which would be done by providing their username and password. The way this is done is by using the username and password that the user enters to compare to the existing users in our SQLite database, which will be the credentials that were stored when they registered using either the candidate or recruiters. If the log-in

credentials match what's in our database, they will be sent to our loggedIn page, but if not, then they will be prompted to re-enter their information or create an account if they haven't already. Below, figure 5 shows the form that users would use to log-in to the platform.

TinDev

Log in to TinDev

Username

admin

Password

.....

Log in

Don't have an account?

[Create a Recruiter Profile](#)

[Create a Candidate Profile](#)

Figure 5: Log-in form required to enter the platform

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

Users

+ Add

TINDEV

Candidate profiles

+ Add

Recruiter profiles

+ Add

Select user to change

Q

Search

Action:

Go

0 of 3 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	admin				✔
<input type="checkbox"/>	gelbling				✘
<input type="checkbox"/>	mari				✘

3 users

Figure 6: Database used to authenticate users