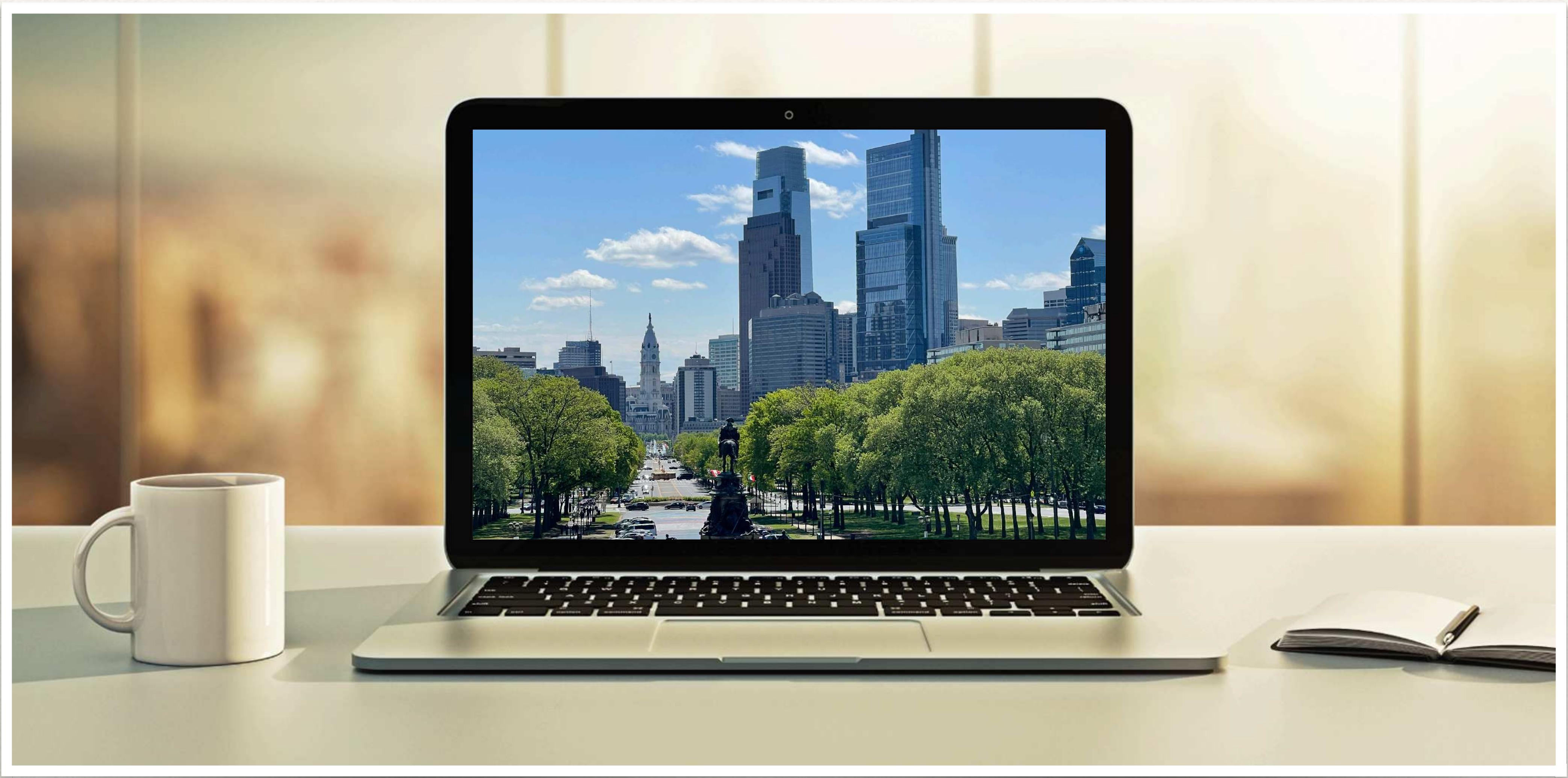


# Spring Boot Job Portal Project

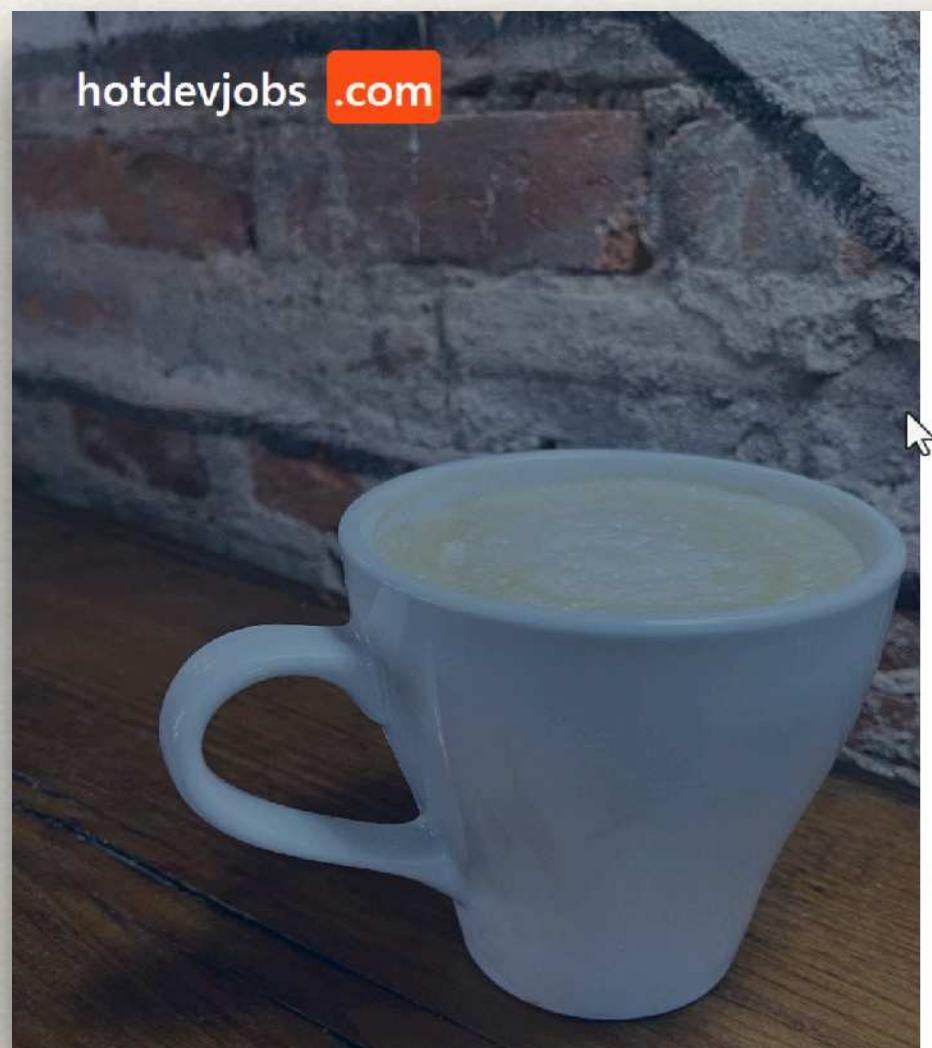


# Course Development Team



# Spring Boot Job Portal Project

- Recruiters can create new job posts
- Job candidates can search for new jobs and apply



### Post New Job

JOB DETAILS

Job Title:

Employment Type:  Select a Remote  Salary:

DESCRIPTION

**B** **U** **I** **E** Segoe UI **A** **E** **M** **E** **T** **G** **D** **S** **N** **P** **R** **C** **Q**

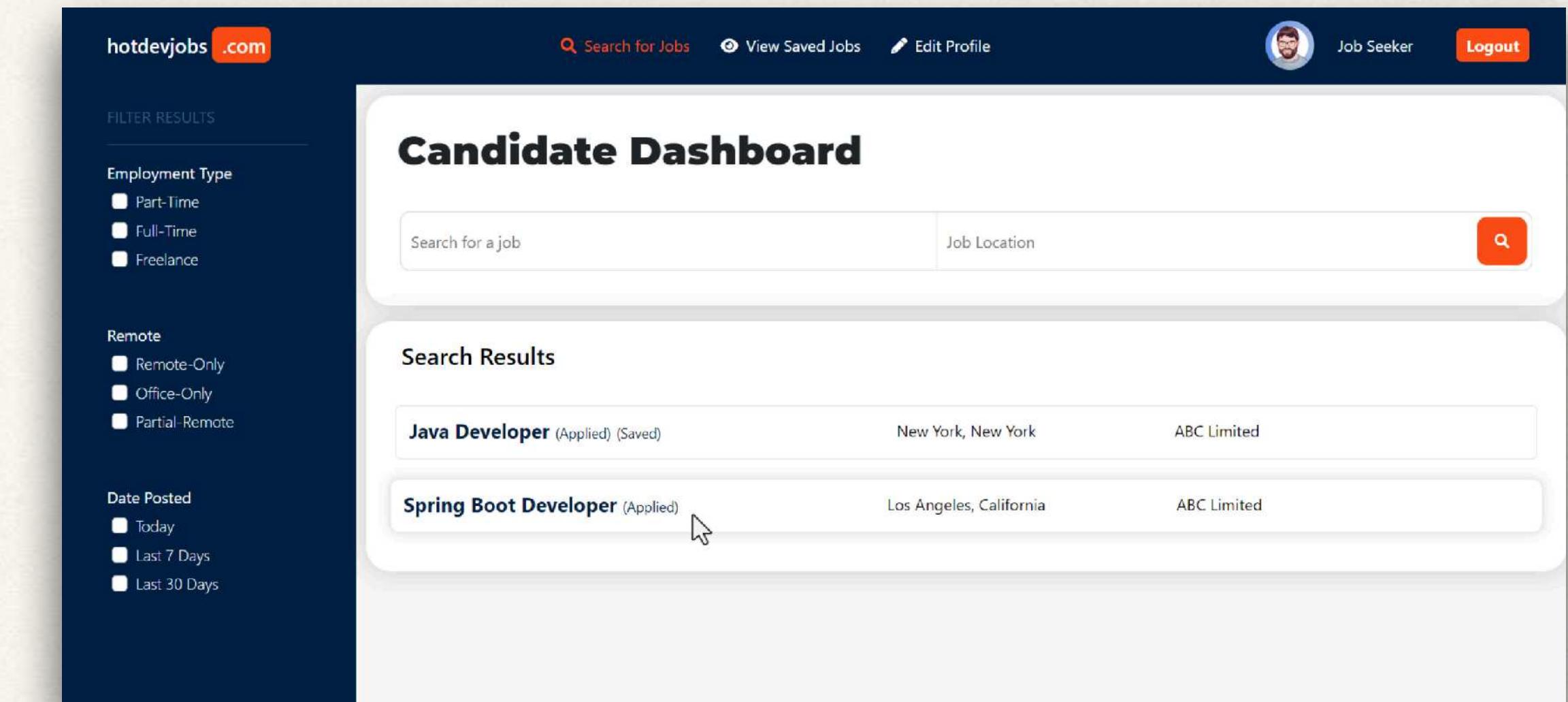
LOCATION

City:  State:  Country:

COMPANY

Company Name:

**Save**



hotdevjobs .com

Search for Jobs View Saved Jobs Edit Profile Logout

Job Seeker

### Candidate Dashboard

Search for a job Job Location  **q**

FILTER RESULTS

Employment Type

Part-Time  
 Full-Time  
 Freelance

Remote

Remote-Only  
 Office-Only  
 Partial-Remote

Date Posted

Today  
 Last 7 Days  
 Last 30 Days

Search Results

**Java Developer** (Applied) (Saved) New York, New York ABC Limited

**Spring Boot Developer** (Applied) Los Angeles, California ABC Limited

# Prerequisites

- You should have prior experience with
  - Java
  - Spring Boot
  - JPA / Hibernate
  - Thymeleaf / HTML
  - Maven

**Spring & Hibernate for Beginners**

# Spring Boot Job Portal Project

- This course is different than my other courses
- I will assume that you already know Spring Boot
- Think of this course as a hackathon ... we are just going to focus on writing code
- I won't describe every line of code ... I'll just give high level overviews

Spring & Hibernate for Beginners

# Spring Boot Job Portal Project

- For each major section, you will receive “requirements from the boss”
- We will have a high-level overview
- Then we'll move into hands-on coding

# Development Environment

- You should have these dev tools installed:
  - IntelliJ or Eclipse ... or your favorite IDE :-)
  - MySQL Database Server
  - MySQL Workbench

We will use IntelliJ (free version)  
in the videos

But everything will work with  
other IDEs such as  
Eclipse, NetBeans etc

All you need is basic Maven support

# Source Code and PDFs

**All source code is available for download**

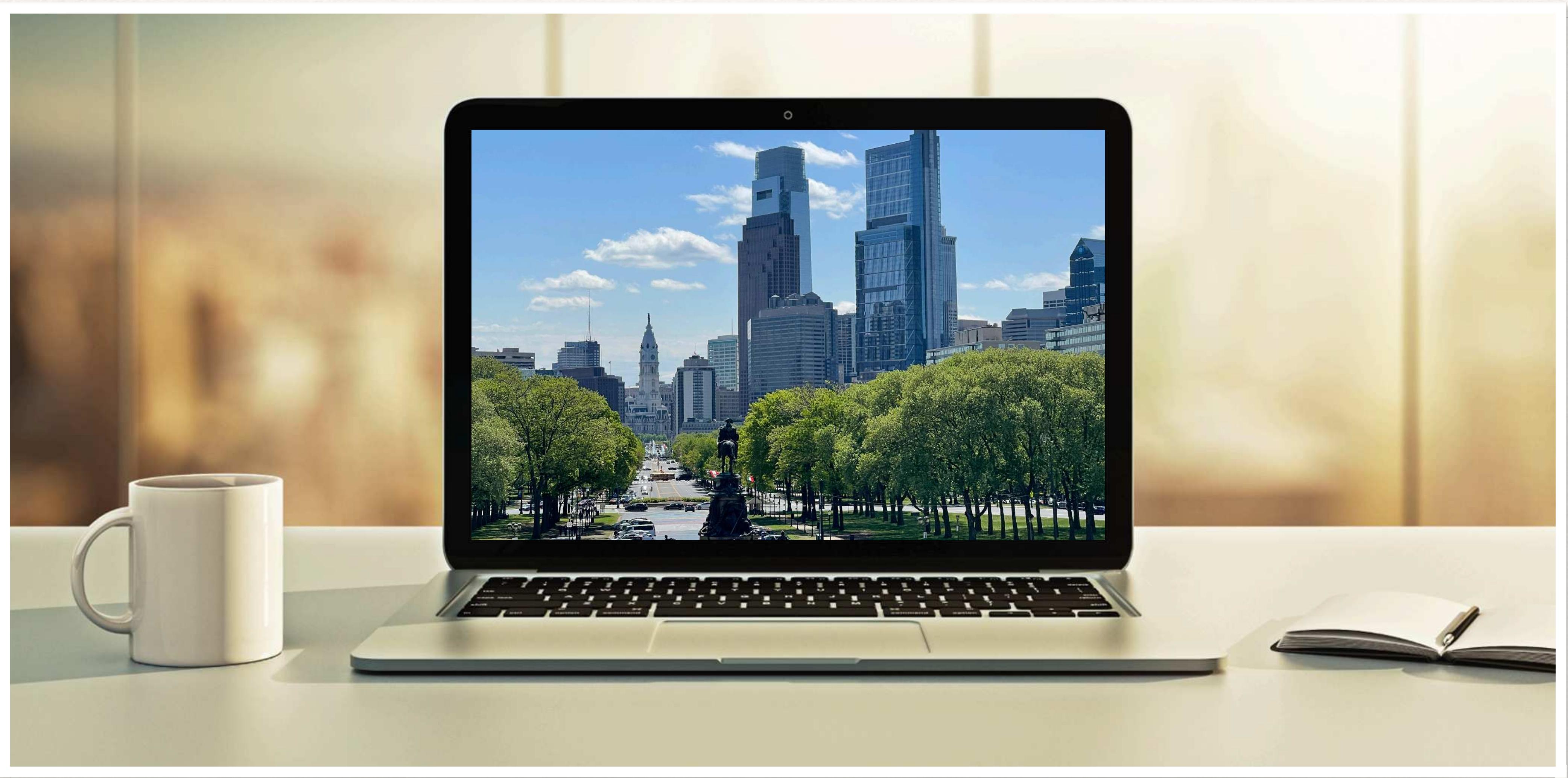
**All PDFs of slides are available for download**

# Questions / Help

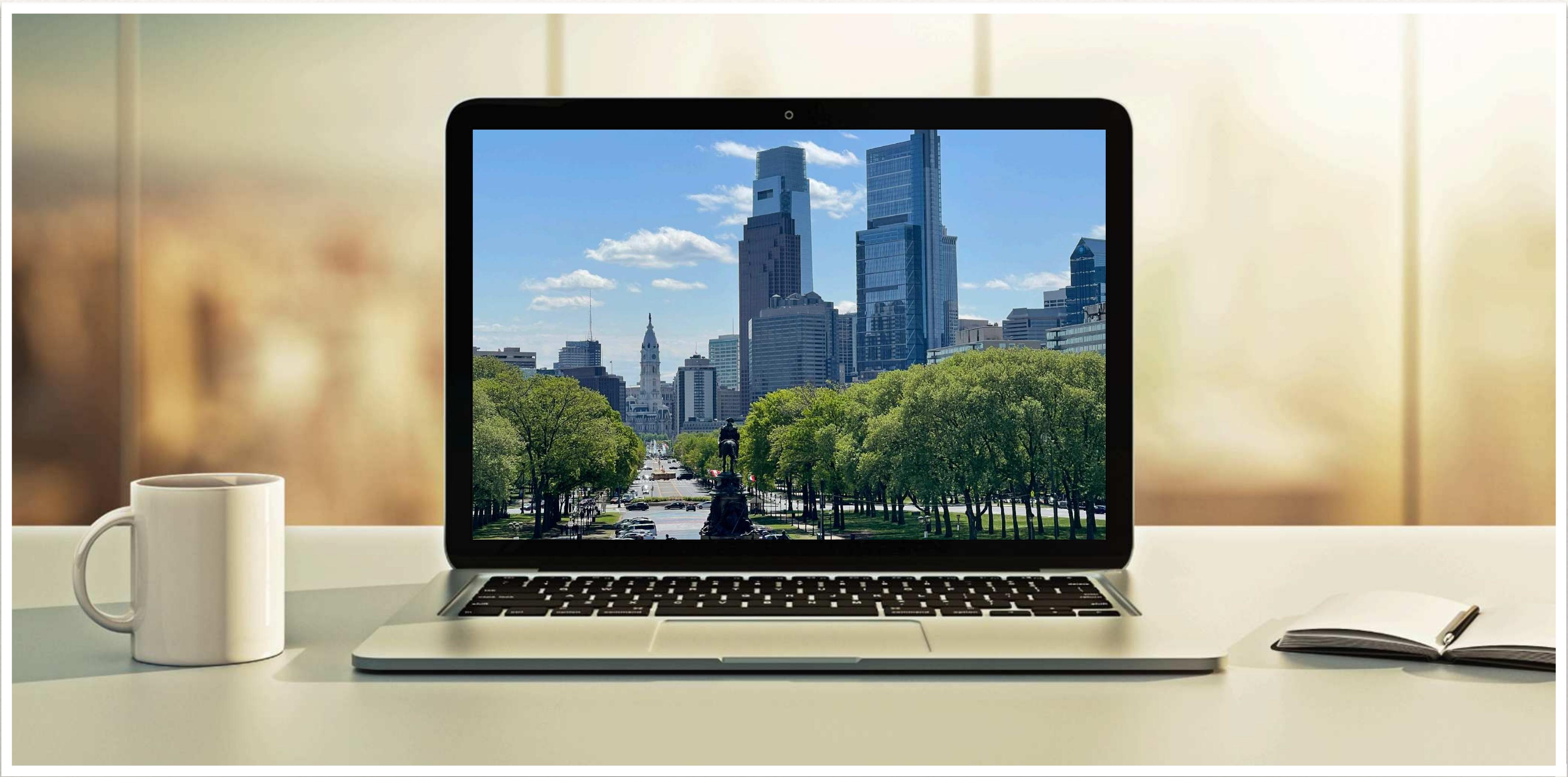
If you have questions or need help...

**Post the question in the classroom discussion forum**

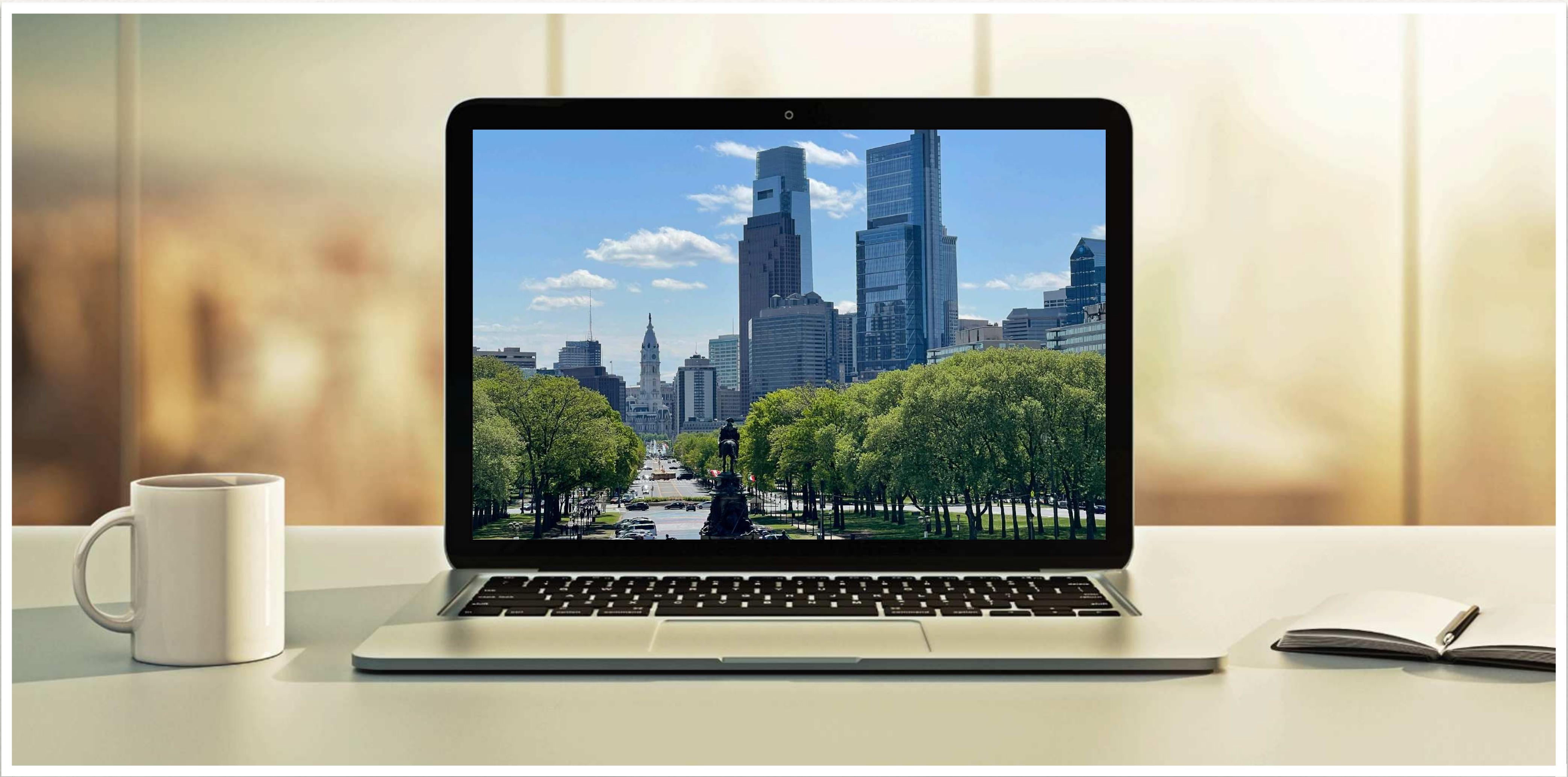
# Recruiter Demo



# Job Candidate Demo



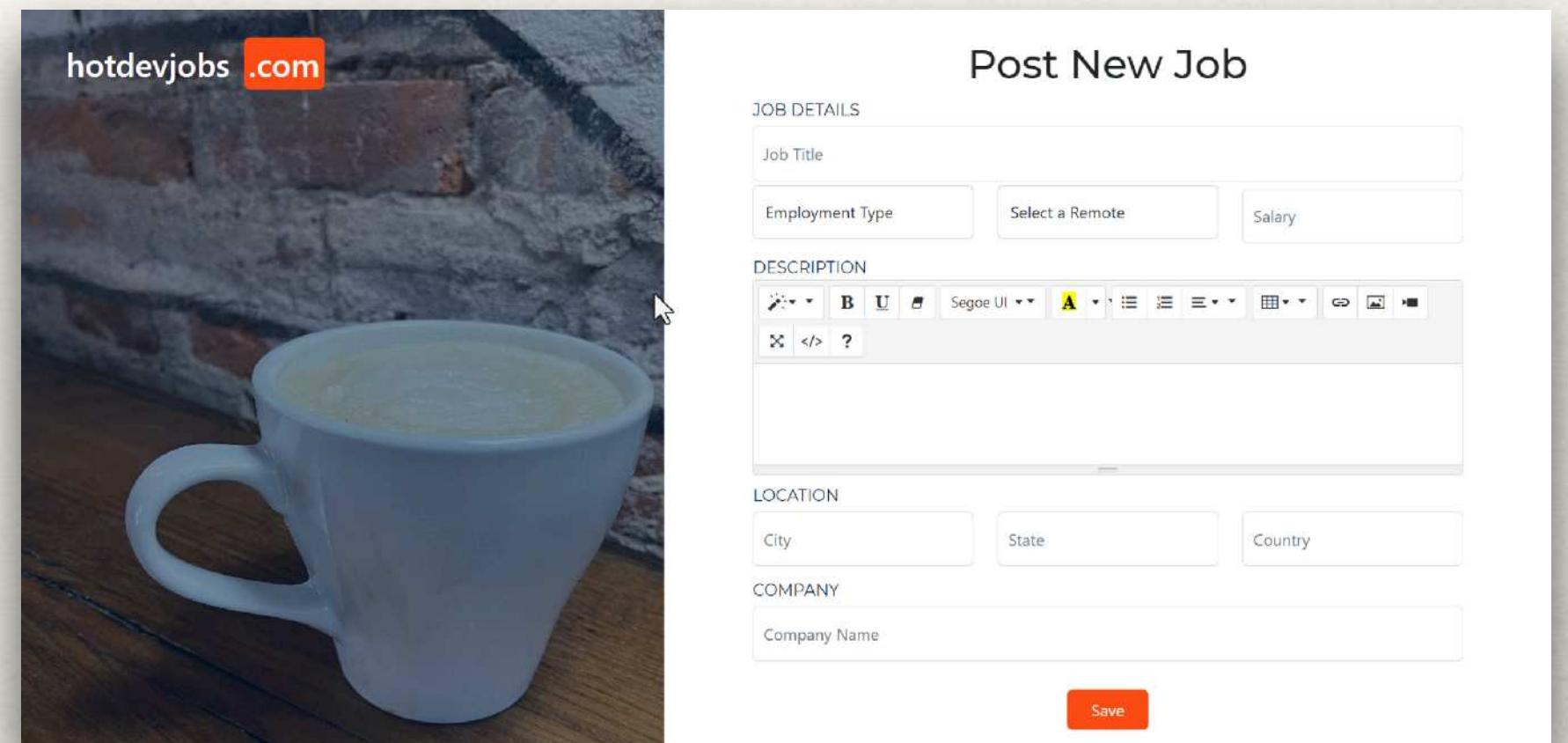
# Project Requirements



# Requirements - Recruiter

From: The Boss

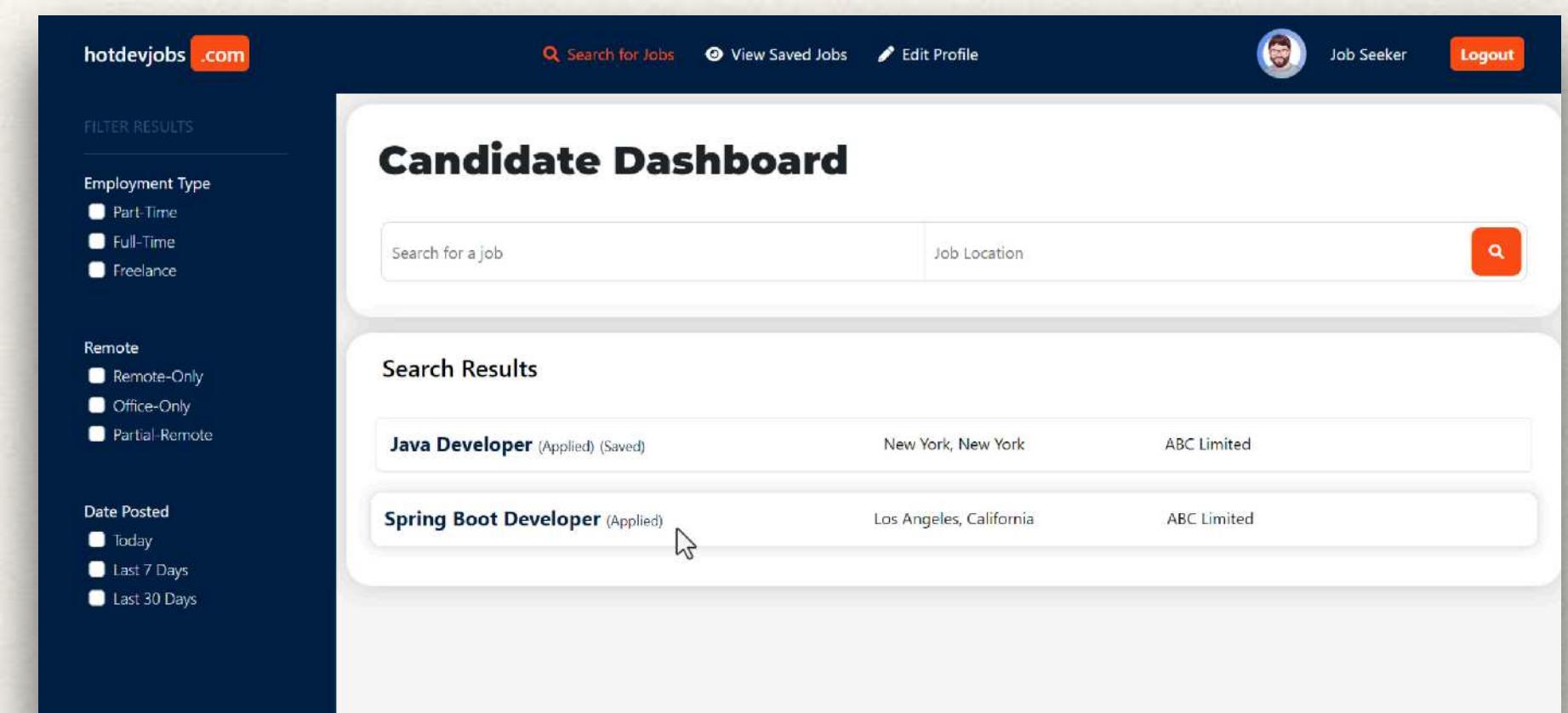
- Post new job
- View our jobs
- View list of candidates that have applied for a job
- Edit profile and upload profile photo



# Requirements - Candidate

From: The Boss

- Search for jobs
- Apply for a job
- View list of jobs that you (job candidate) has applied for
- Edit profile and upload profile photo
- Upload resumé / CV



# Requirements - Common

From: The Boss

- Register for new account
- Login/Logout

Create User Account

The form consists of three input fields: 'Email' (containing 'recruiter@luv2code.com'), 'Password' (empty), and 'Recruiter' (empty). Below the fields is a large orange 'Save' button. A red error message 'Please fill in this field.' is displayed above the 'Email' field.

Email	<input type="text" value="recruiter@luv2code.com"/>
Password	<input type="password"/>
Recruiter	<input type="text"/>

Save

Login

The form has two input fields: 'Email' (containing 'recruiter@luv2code.com') and 'Password' (empty). Below the fields is a checkbox labeled 'Remember me' and a link 'Forgot Password?'. At the bottom is a large orange 'Log in' button. Below the button is a link 'Are you a new User? Register Now'.

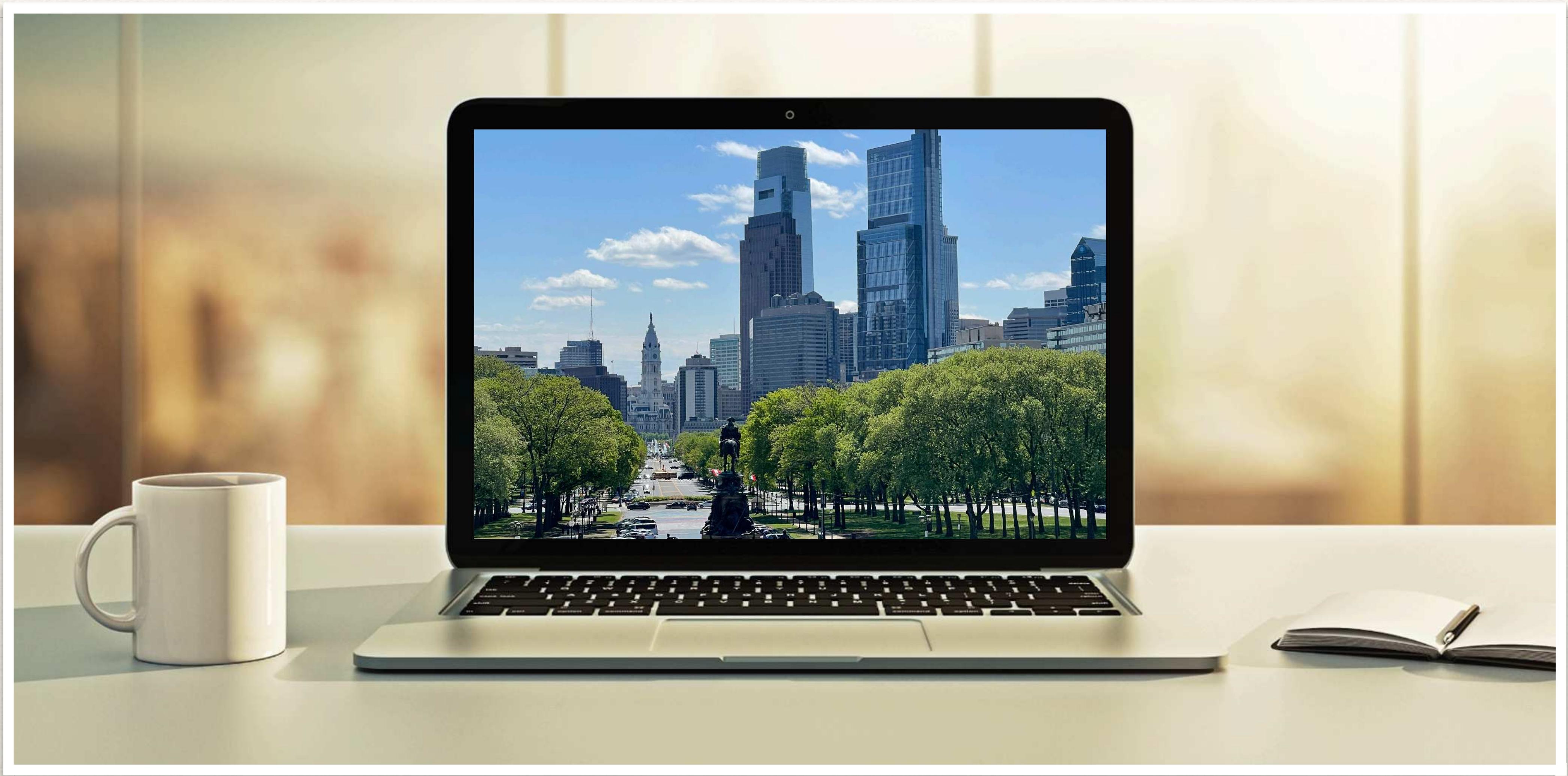
Email	<input type="text" value="recruiter@luv2code.com"/>
Password	<input type="password"/>

Remember me [Forgot Password?](#)

Log in

Are you a new User? [Register Now](#)

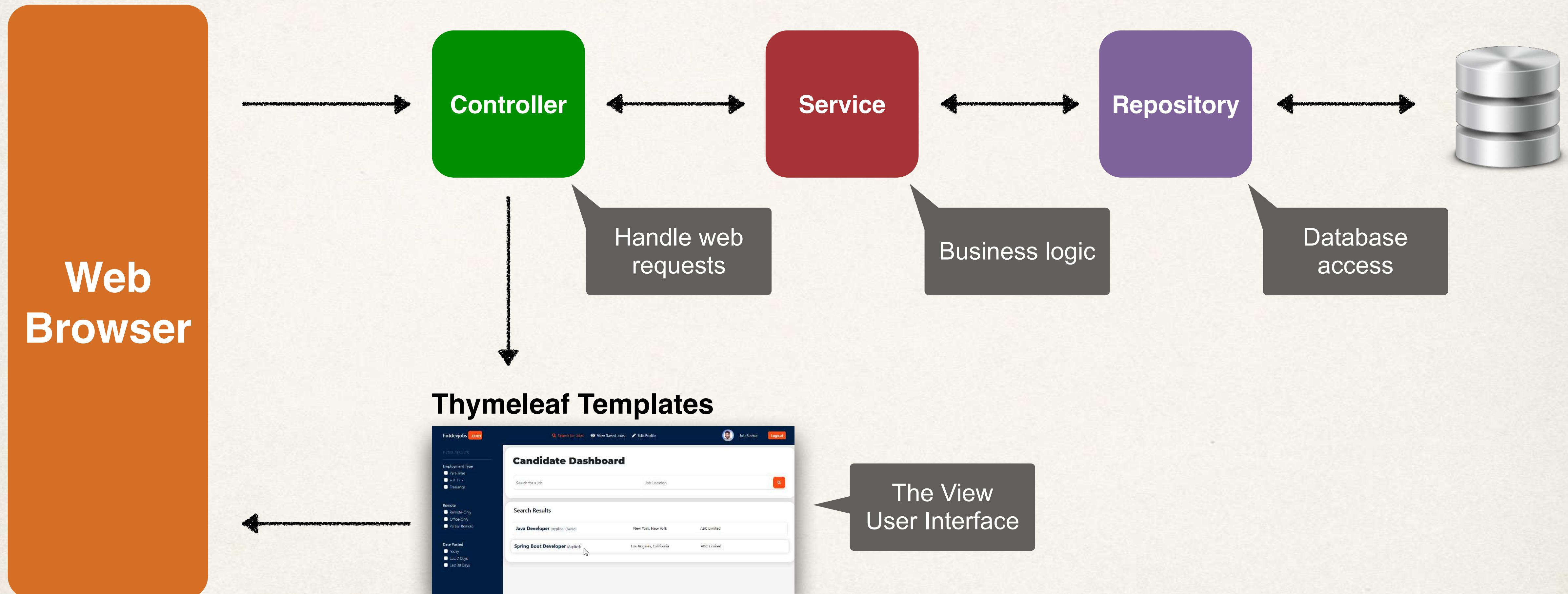
# Application Architecture



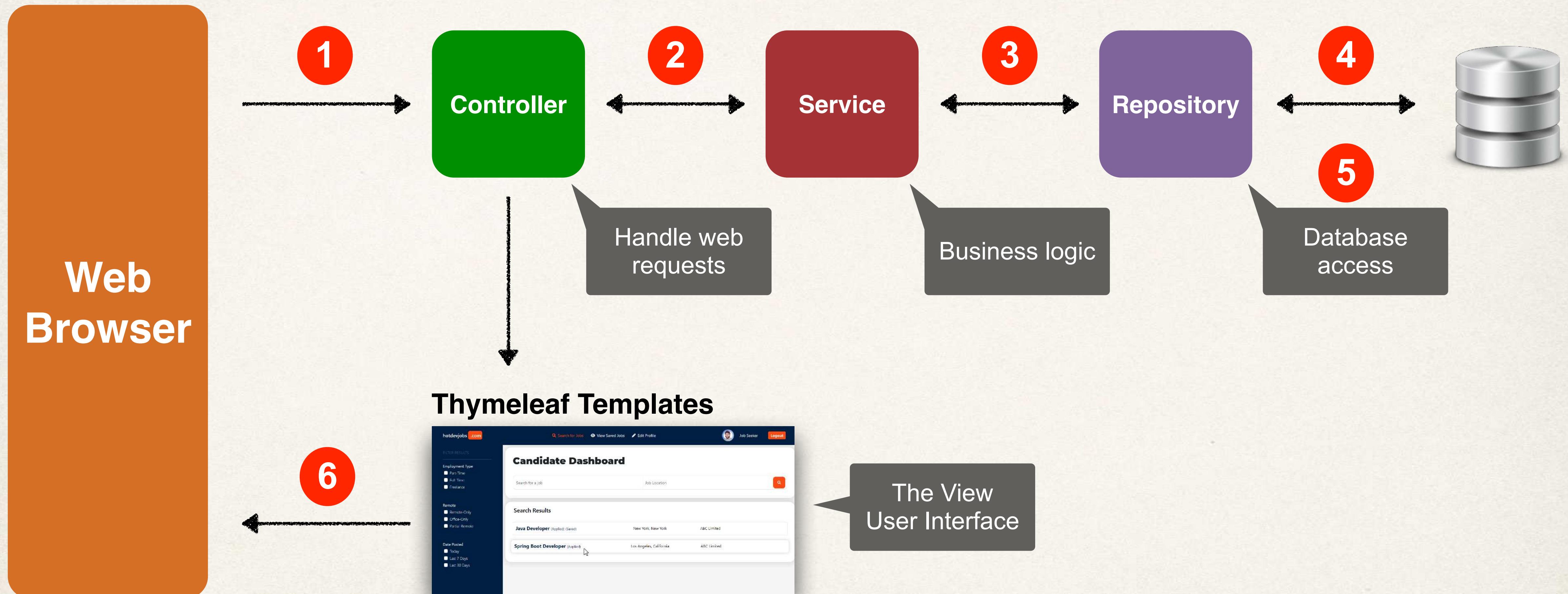
# Agenda

- Application Architecture
- Key Classes
- Database Entities
- Database Diagram
- Development Road Map

# Application Architecture - Big Picture



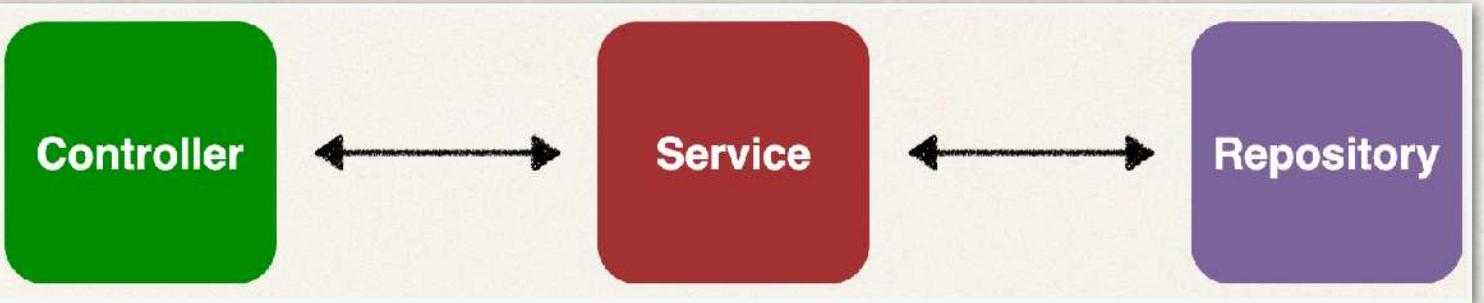
# Application Architecture - Big Picture



# Key Classes

Name	Description
<b>HomeController</b>	Show home page
<b>JobLocationController</b>	Managing job locations
<b>JobPostActivityController</b>	Managing job posts and searching job posts
<b>JobSeekerApplyController</b>	Applying for jobs
<b>JobSeekerProfileController</b>	Managing job seeker profile
<b>JobSeekerSaveController</b>	Managing jobs that job seeker has applied for
<b>RecruiterProfileController</b>	Managing recruiter profile
<b>UsersController</b>	Login/Logout/Register
...	<i>... support classes ...</i>

# Supporting Services and Repositories

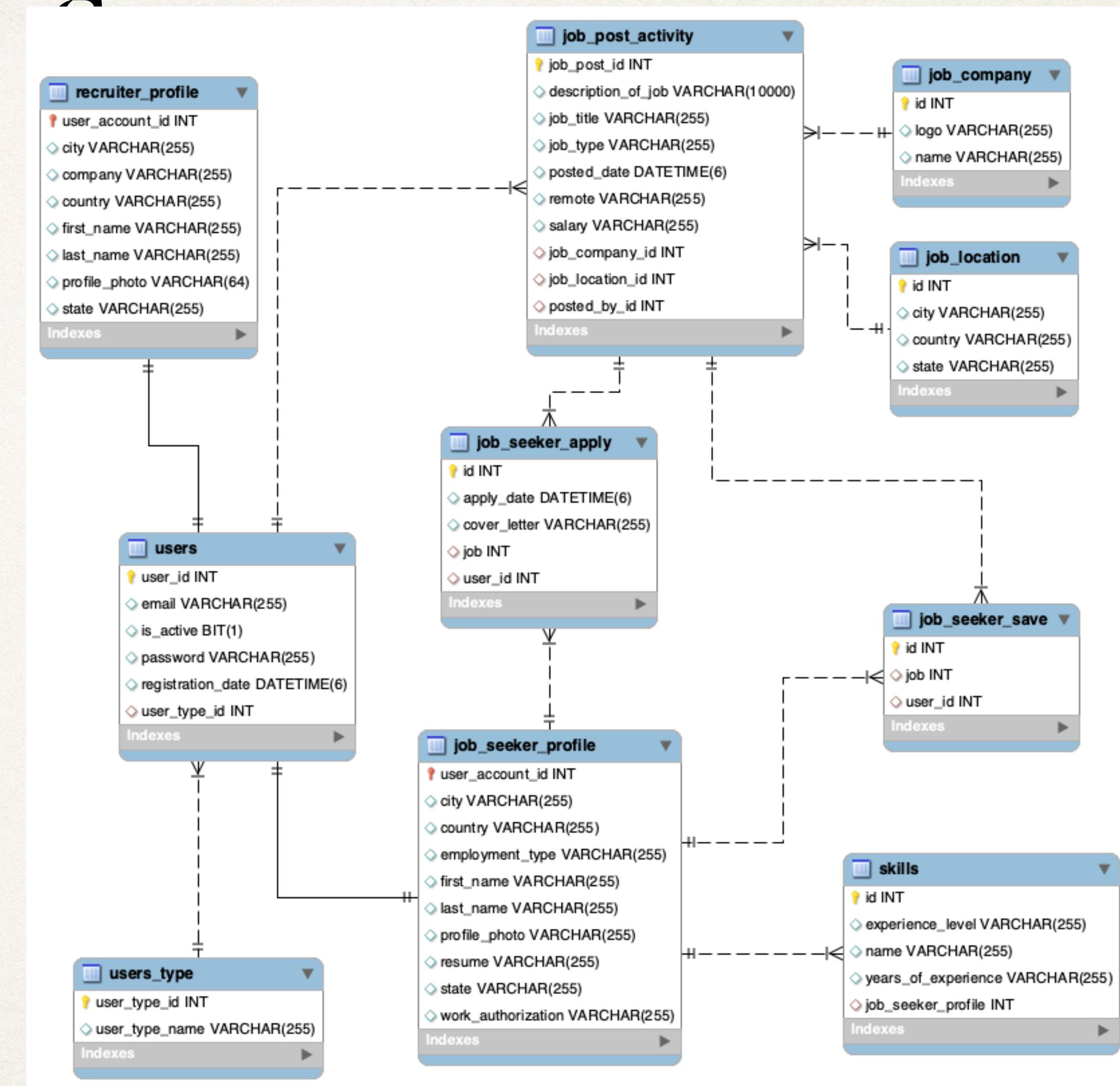


Name	Description
HomeController / <b>Service / Repository</b>	Show home page
JobLocationController / <b>Service / Repository</b>	Managing job locations
JobPostActivityController / <b>Service / Repository</b>	Managing job posts and searching job posts
JobSeekerApplyController / <b>Service / Repository</b>	Applying for jobs
JobSeekerProfileController / <b>Service / Repository</b>	Managing job seeker profile
JobSeekerSaveController / <b>Service / Repository</b>	Managing jobs that job seeker has applied for
RecruiterProfileController / <b>Service / Repository</b>	Managing recruiter profile
UsersController / <b>Service / Repository</b>	Login/Logout/Register
...	<i>... support classes ...</i>

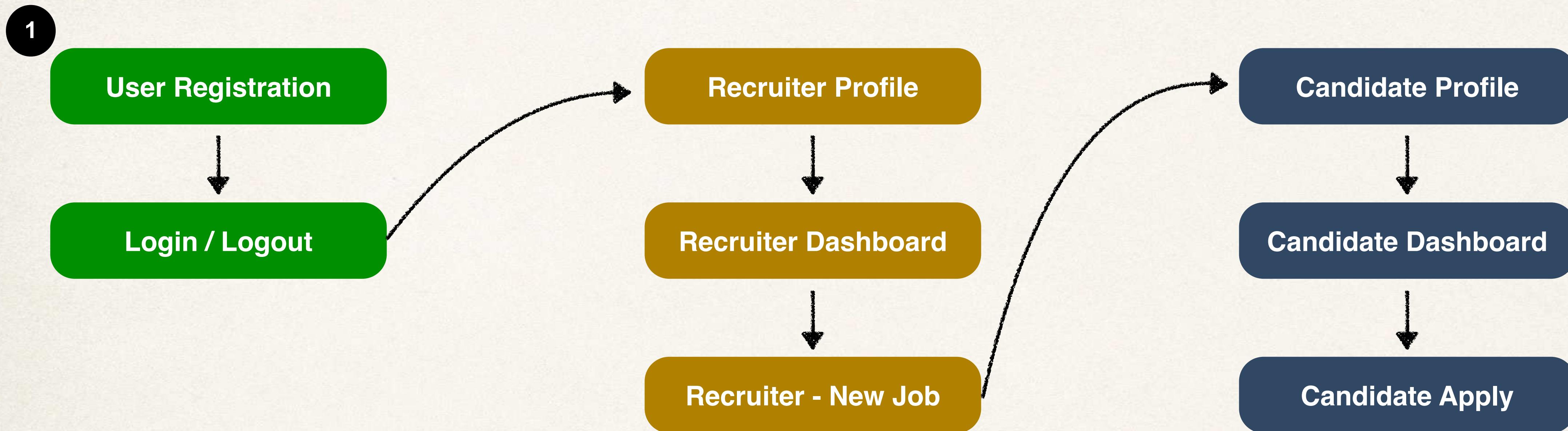
# Database Entities

Name	Description
<b>JobCompany</b>	A job company: name, logo etc
<b>JobPostActivity</b>	A job post: title, description, salary, remote etc
<b>JobSeekerApply</b>	Tracks the job seekers who have applied for a job
<b>JobSeekerProfile</b>	Info about job seeker: name, city, state, skills, etc
<b>JobSeekerSave</b>	Tracks the jobs a job seeker has applied to
<b>RecruiterProfile</b>	Info about recruiter: name, city, state, company, etc
<b>Skills</b>	Info about a skill: name, experience level, years of experience
<b>Users</b>	Info about a user: email, password etc
<b>UsersType</b>	Type/role of user: recruiter or job seeker
...	<i>... support classes ...</i>

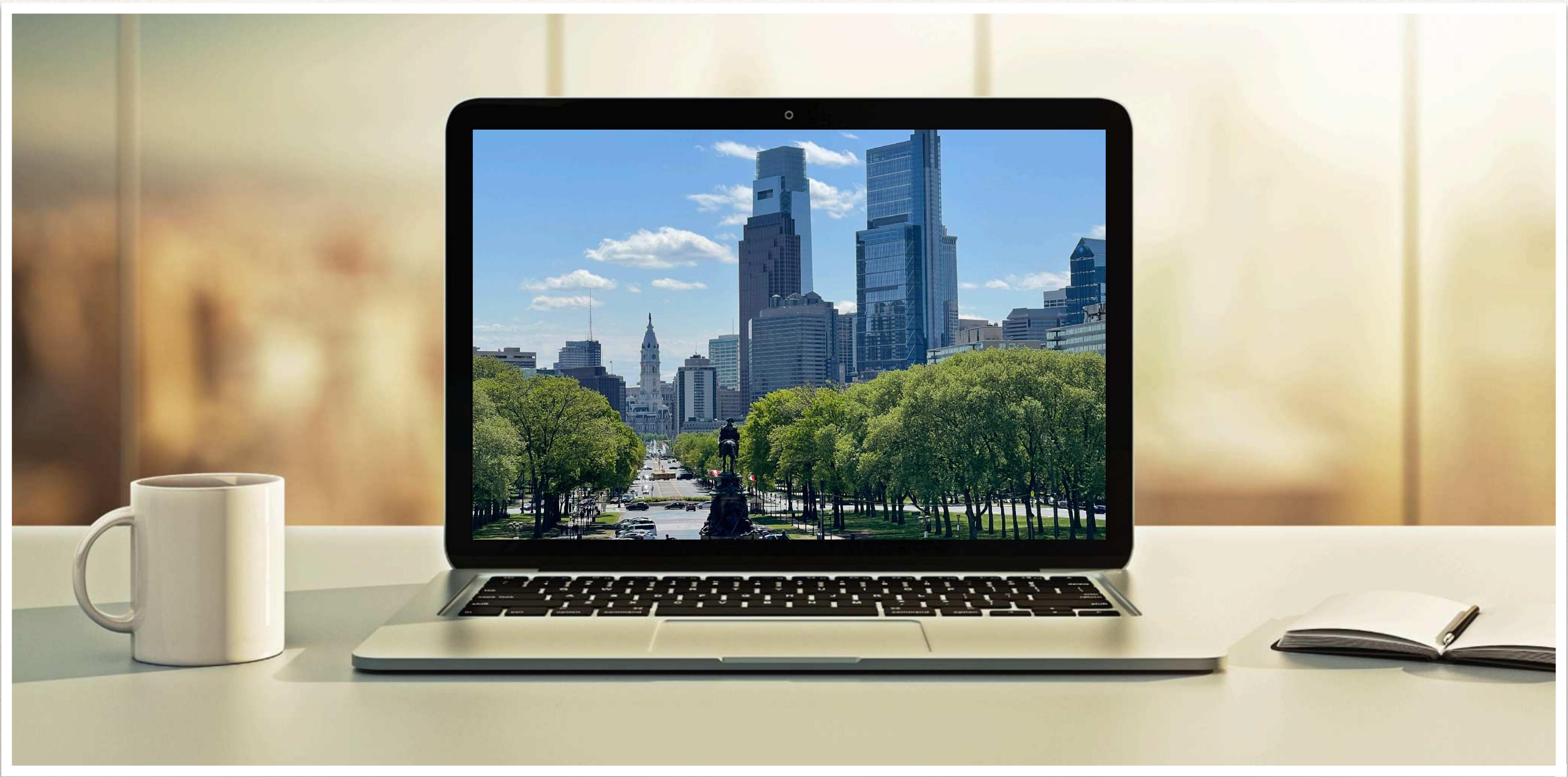
# Database Diagram



# Development Road Map



# Set Up Database Tables



# Two Database Scripts

## 1. Folder: **00-starter-sql-scripts**

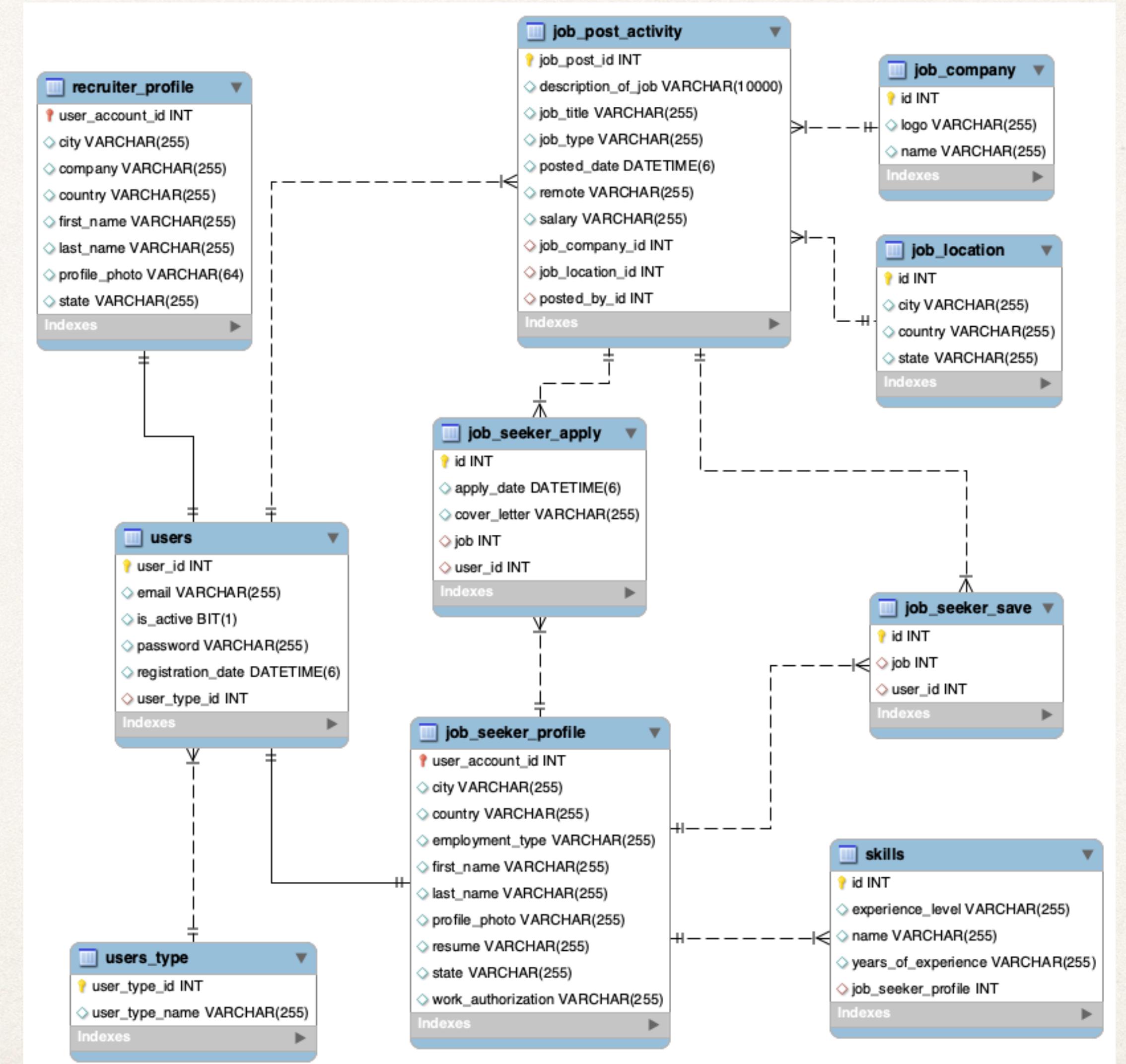
- **00-create-user.sql**
- **01-jobportal.sql**

# About: 00-create-user.sql

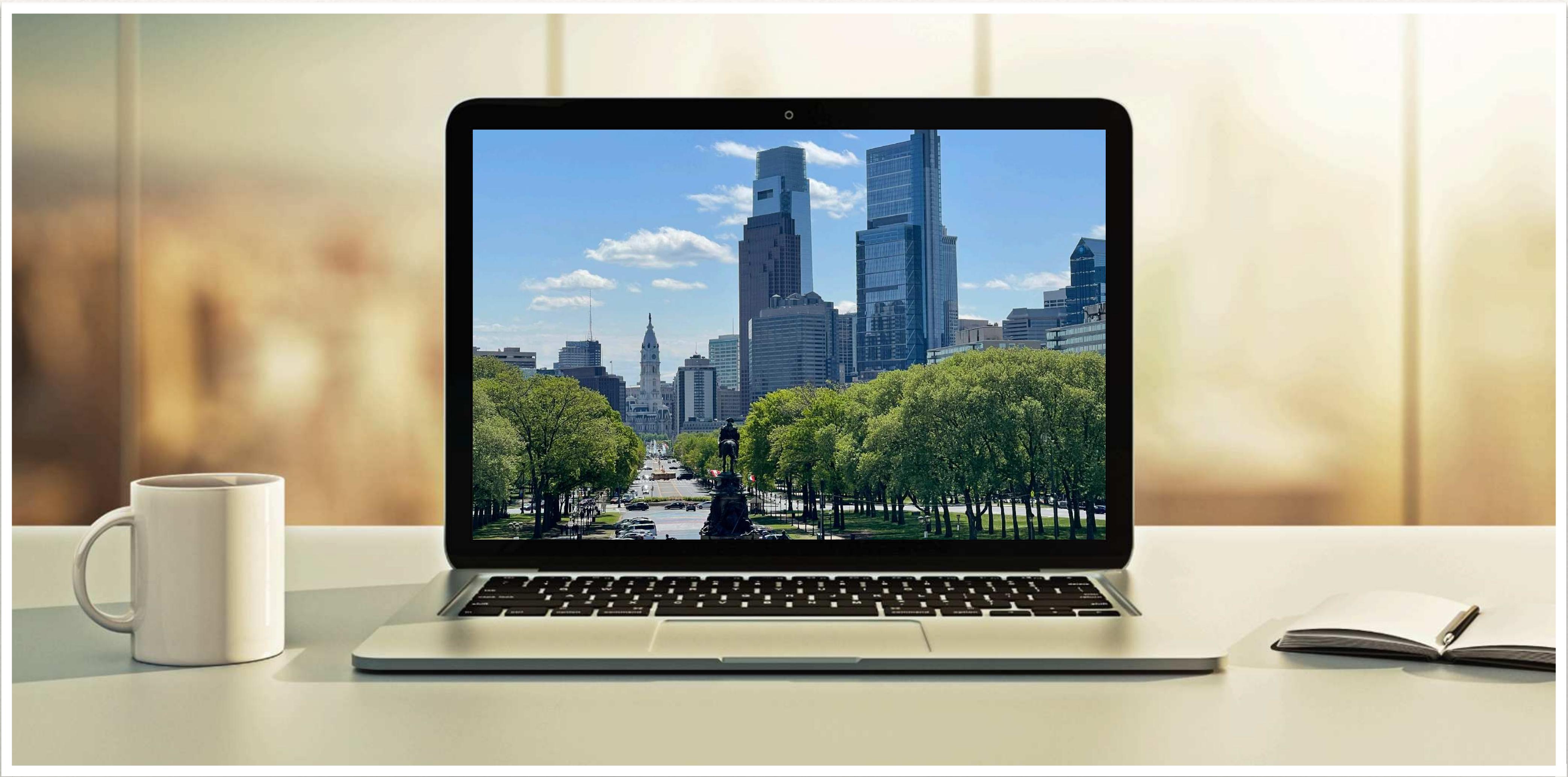
1. Create a new MySQL user for our application

- user id: **jobportal**
- password: **jobportal**

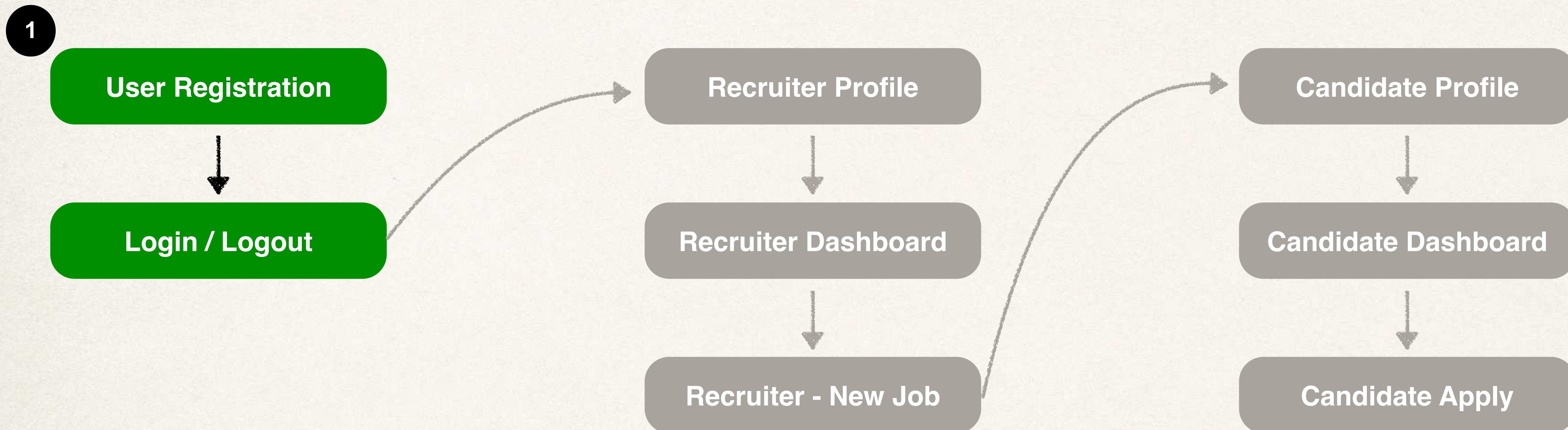
# About: 01-jobportal.sql



# User Registration



# Development Road Map



# Development Process

*Step-By-Step*

1. Set up Spring Boot project
2. Add project template files (HTML, JS and CSS)
3. Database Entities for Users, UserTypes
4. User Registration: Repositories and Controller
5. Create profiles for Recruiter and Job Seekers
6. Add support for Skills to Job Seekers

# User Registration

## Step 2: Add project template files



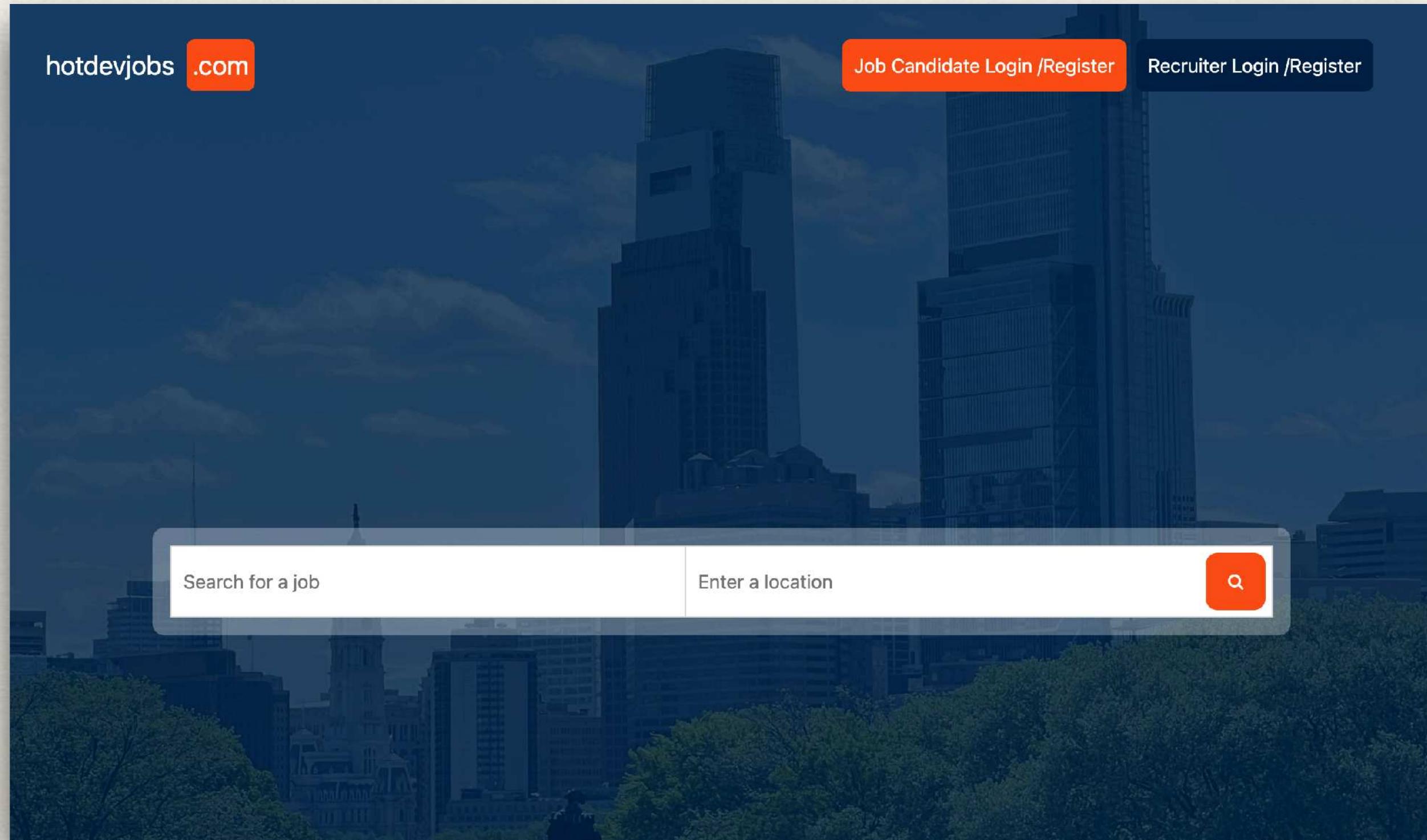
# Development Process

*Step-By-Step*

- ✓ 1. Set up Spring Boot project
- 2. Add project template files (HTML, JS and CSS)
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- 6. Add support for Skills to Job Seekers

# HTML Template

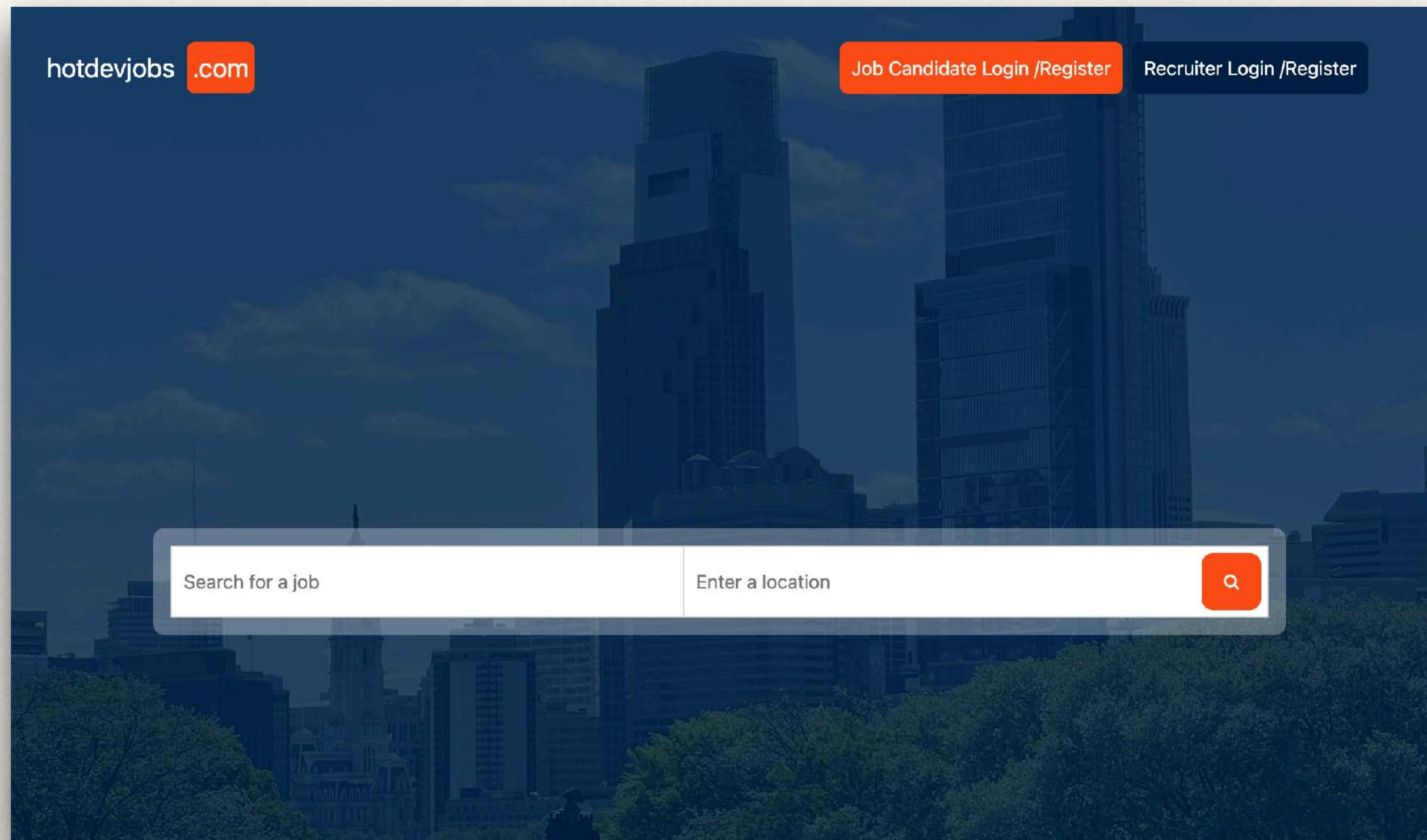
- The web designer created a web template using HTML and CSS



The template is available for download as zip file  
HTML, CSS, JS, images, etc ...

# Template Integration

- Integrate the HTML template with our Spring Boot project



# A Note about Cascading Style Sheets (CSS)

- The template uses CSS for styles, layout and colors
- Teaching CSS is beyond the scope of this course
- If you would like a tutorial on CSS, free online tutorials are available

[www.w3schools.com/css](http://www.w3schools.com/css)

[www.getbootstrap.com](http://www.getbootstrap.com)

# Client-side Web Frameworks

- Our project uses common client-side web frameworks
  - Bootstrap, jQuery, font-awesome
- Normally, you would have to manually download the client-side web frameworks
  - Add them to your project accordingly
- However, there's an alternate solution for Java projects: **WebJars**

# WebJars

[www.webjars.org](http://www.webjars.org)

- WebJars are client-side web frameworks packaged as JAR files
- No need to manually download
- Leverage the power of Maven/Gradle dependency process
- Simply add appropriate Maven dependencies to your pom.xml

```
<dependency>
    <groupId>org.webjars</groupId>
    <artifactId>bootstrap</artifactId>
    <version>x.y.z</version>
</dependency>
```

# WebJars for our project

- We will use the following WebJars for our project

WebJar Name	Description
bootstrap	CSS framework for HTML page layout / positioning
jquery	JavaScript framework for HTML page processing
font-awesome	Collection of fonts, icons and images
webjars-locator	Support file for locating assets in JAR files

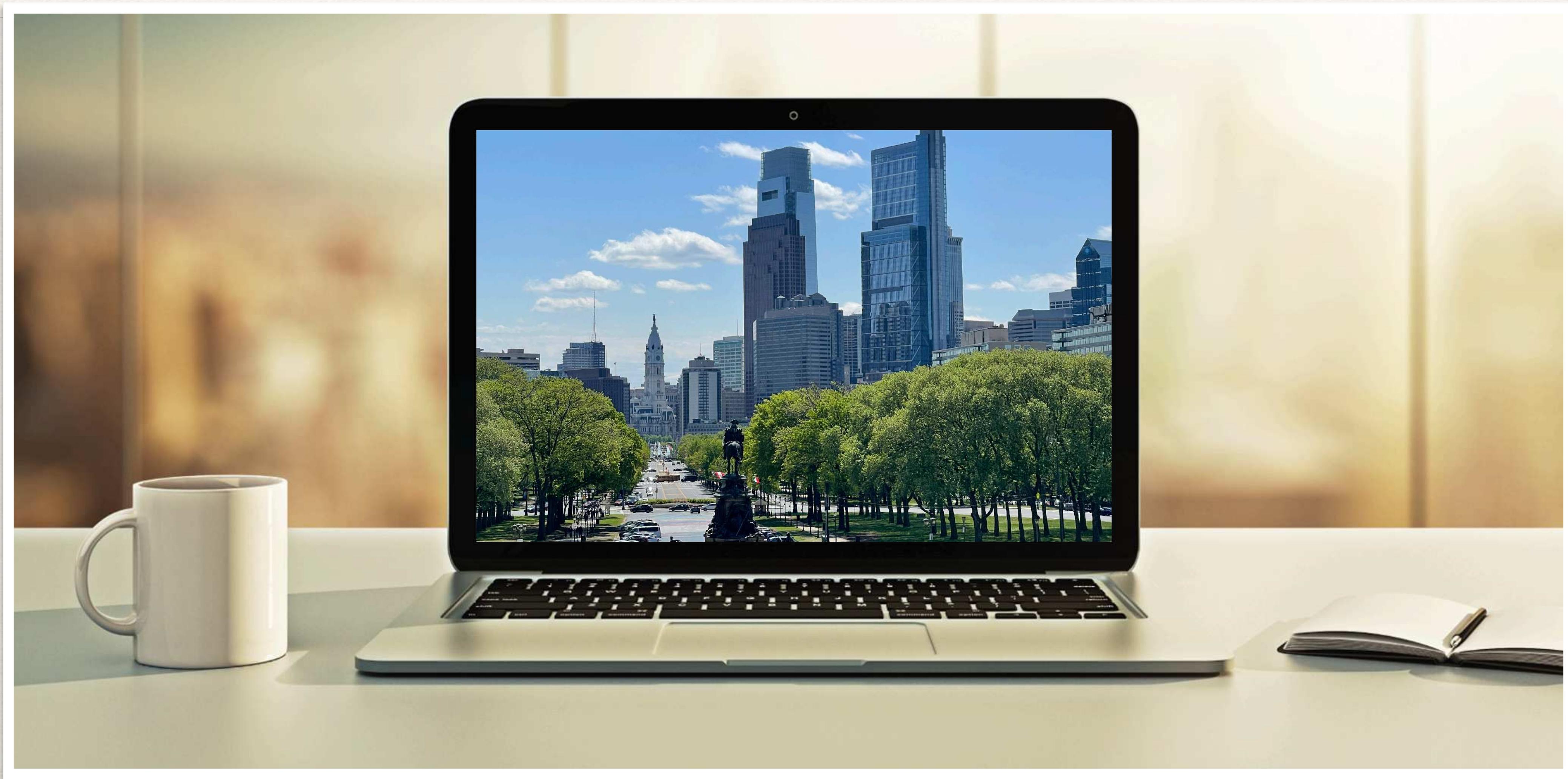
# Find the WebJars Maven Dependency

- For the various web jars, you can find the dependency at
  - [www.mvnrepository.com](http://www.mvnrepository.com)
- Can also perform Google search: **<webjar-name> maven**
- For example, for Bootstrap, Google search: **bootstrap maven**

```
<dependency>
  <groupId>org.webjars</groupId>
  <artifactId>bootstrap</artifactId>
  <version>x.y.z</version>
</dependency>
```

# User Registration

## Step 3: Database Entities for Users, UserTypes



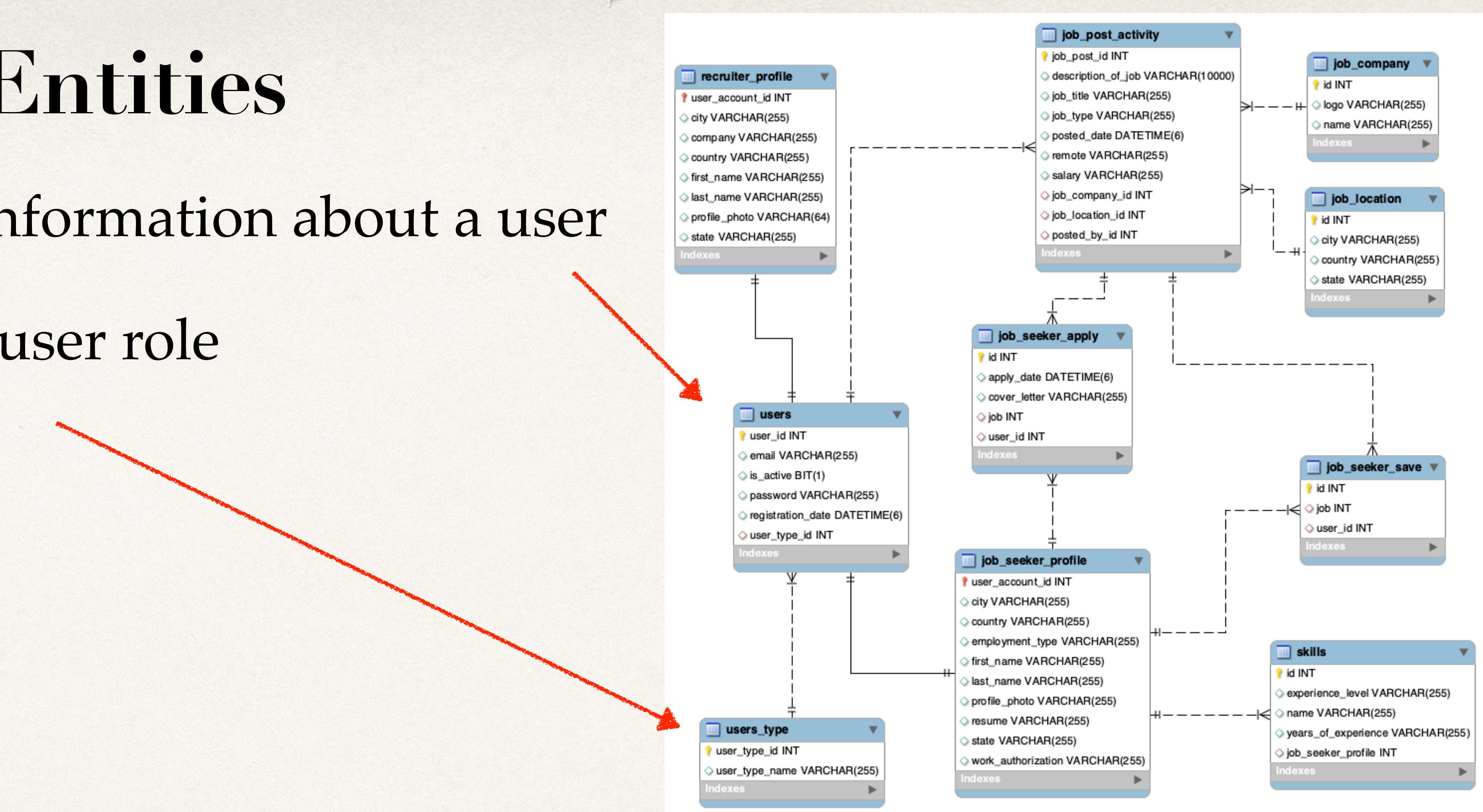
# Development Process

*Step-By-Step*

- ✓ 1. Set up Spring Boot project
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- 3. Database Entities for Users, UserTypes
- 4. User Registration: Repositories and Controller
- 5. Create profiles for Recruiter and Job Seekers
- 6. Add support for Skills to Job Seekers

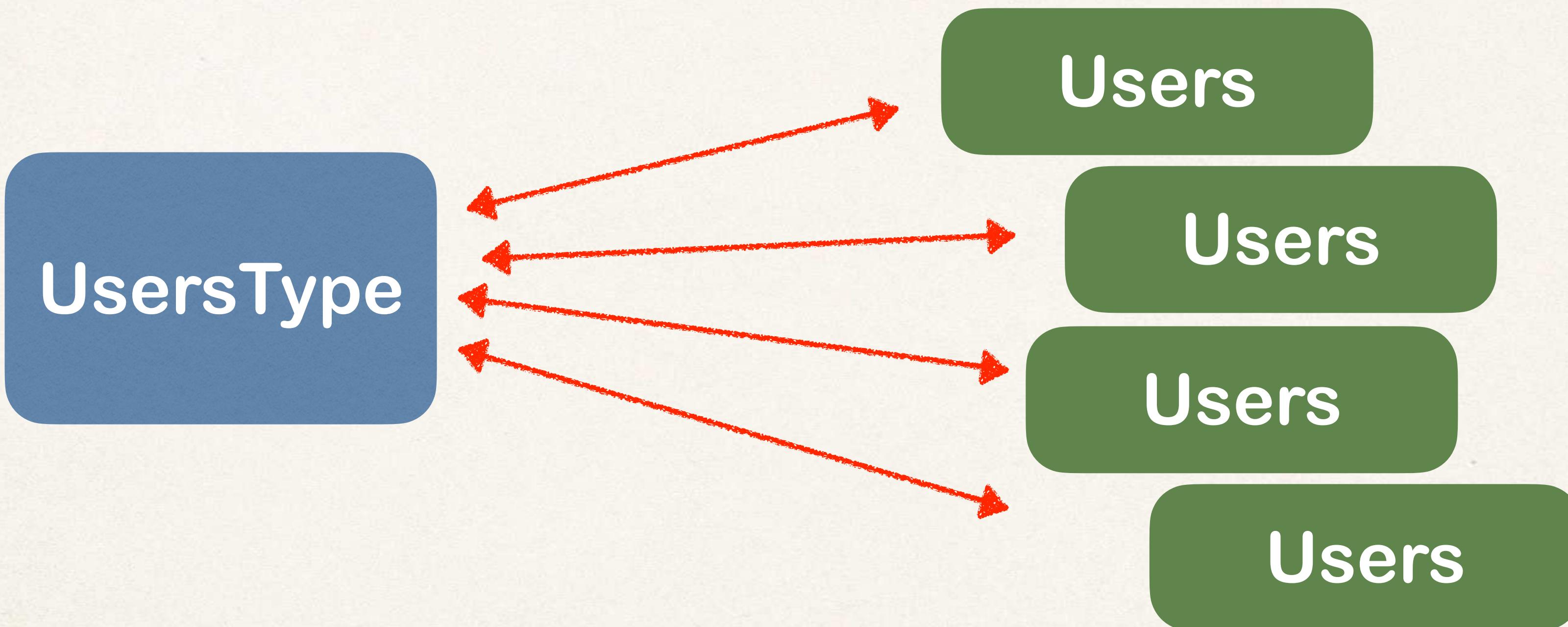
# Database Entities

- Users: basic information about a user
- UsersType: a user role



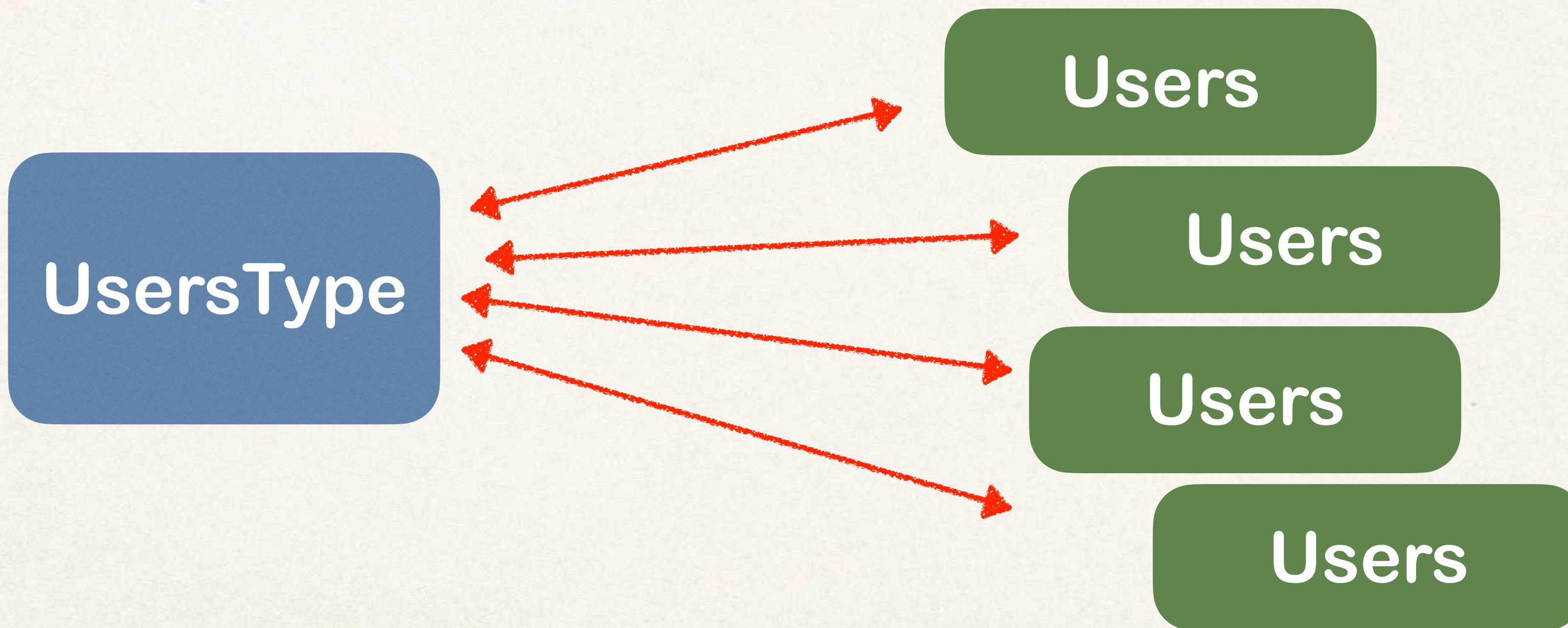
# One-to-Many Mapping

- A `UsersType` can have many `Users`
- Bi-directional



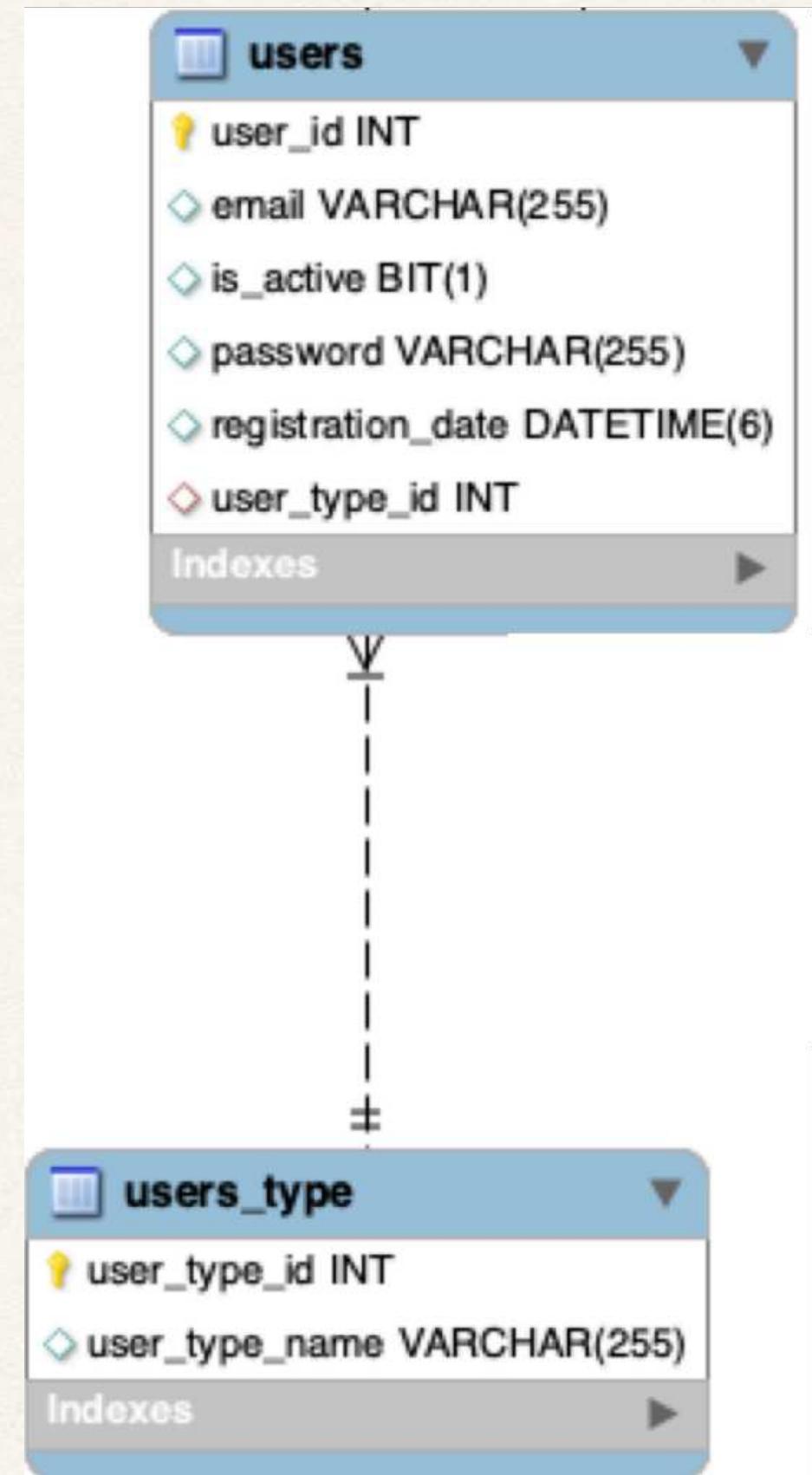
# Many-to-One Mapping

- Many Users can have one UsersType
- Inverse / opposite of One-to-Many



# Create the JPA/Hibernate database entities

- Users: basic information about a user
- UsersType: a user role



# User Registration

## Step 4: Repositories and Controller

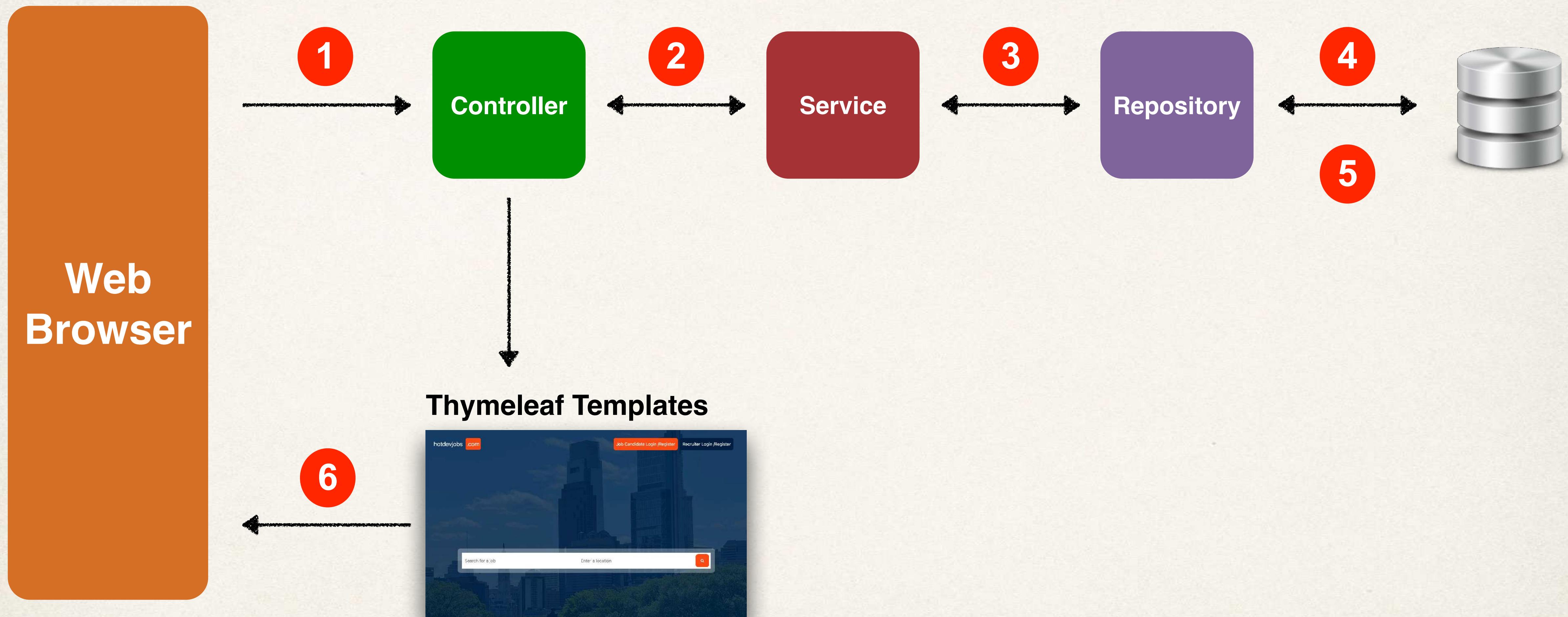


# Development Process

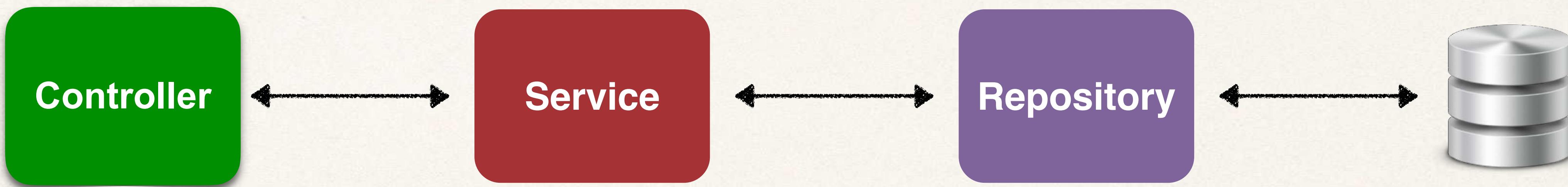
*Step-By-Step*

- ✓ 1. Set up Spring Boot project
- ✓ 2. Add project template files (HTML, JS and CSS)
- ✓ 3. Database Entities for Users, UserTypes
- 4. User Registration: Repositories and Controller
- 5. Create profiles for Recruiter and Job Seekers
- 6. Add support for Skills to Job Seekers

# Big Picture - User Registration



# Application Architecture



# User Registration

## Bug: Duplicate Email



# Bug: Duplicate Email

From: The Boss

- *Registration*
  - *If the user enters a duplicate email, then the app crashes :-)*
  - *Can you fix the app to give a nice error message?*

Create User Account

The screenshot shows a 'Create User Account' form with three fields: 'Email', 'Password', and 'Recruiter'. The 'Email' field is highlighted with a red border and contains the placeholder 'Email'. A small red icon resembling a cursor is positioned next to the placeholder. To the right of the field, a dark blue error message box displays the text 'Please fill in this field.' Below the form is a large orange button with the word 'Save' in white.

Email	<input type="text"/>
Please fill in this field.	
Password	<input type="password"/>
Recruiter	<input type="checkbox"/>

Save

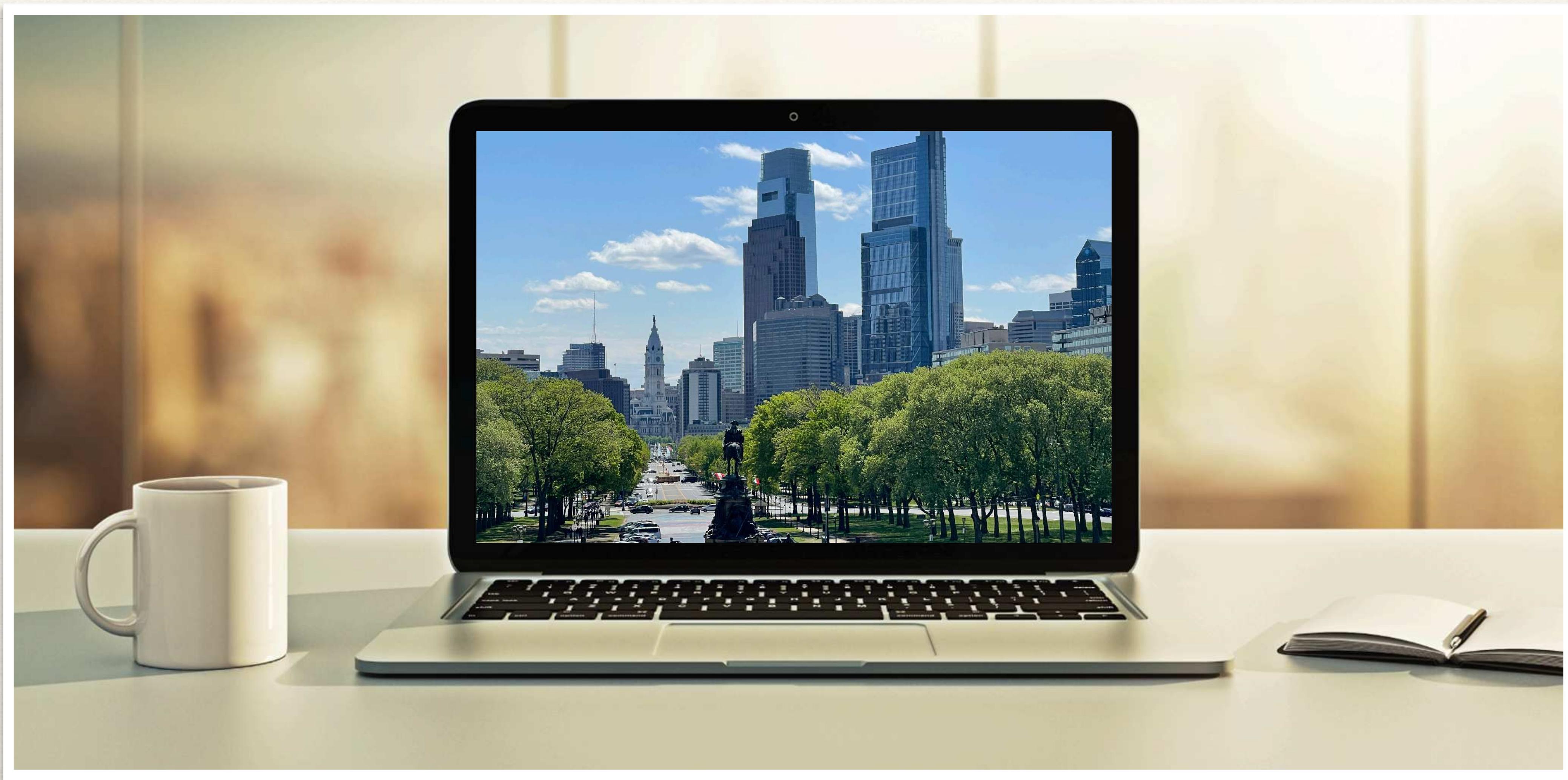
# Development Process

*Step-By-Step*

1. Reproduce the bug
2. Add new method to repository and service: find a user by email
3. Update controller:
  1. During registration, check if email exists before registering user
  2. If email exists, add error message to model and return to registration form
4. Update the registration form to show error message

# User Registration

## Step 5: Create profiles for Recruiter and Job Seekers



# Development Process

*Step-By-Step*

- ✓ 1. Set up Spring Boot project
- ✓ 2. Add project template files (HTML, JS and CSS)
- ✓ 3. Database Entities for Users, UserTypes
- ✓ 4. User Registration: Repositories and Controller
- 5. Create profiles for Recruiter and Job Seekers
- 6. Add support for Skills to Job Seekers

# User Profiles: Recruiter and Job Seeker / Candidate

## Recruiter

Set up your Profile

NAME

Recruiter ABC

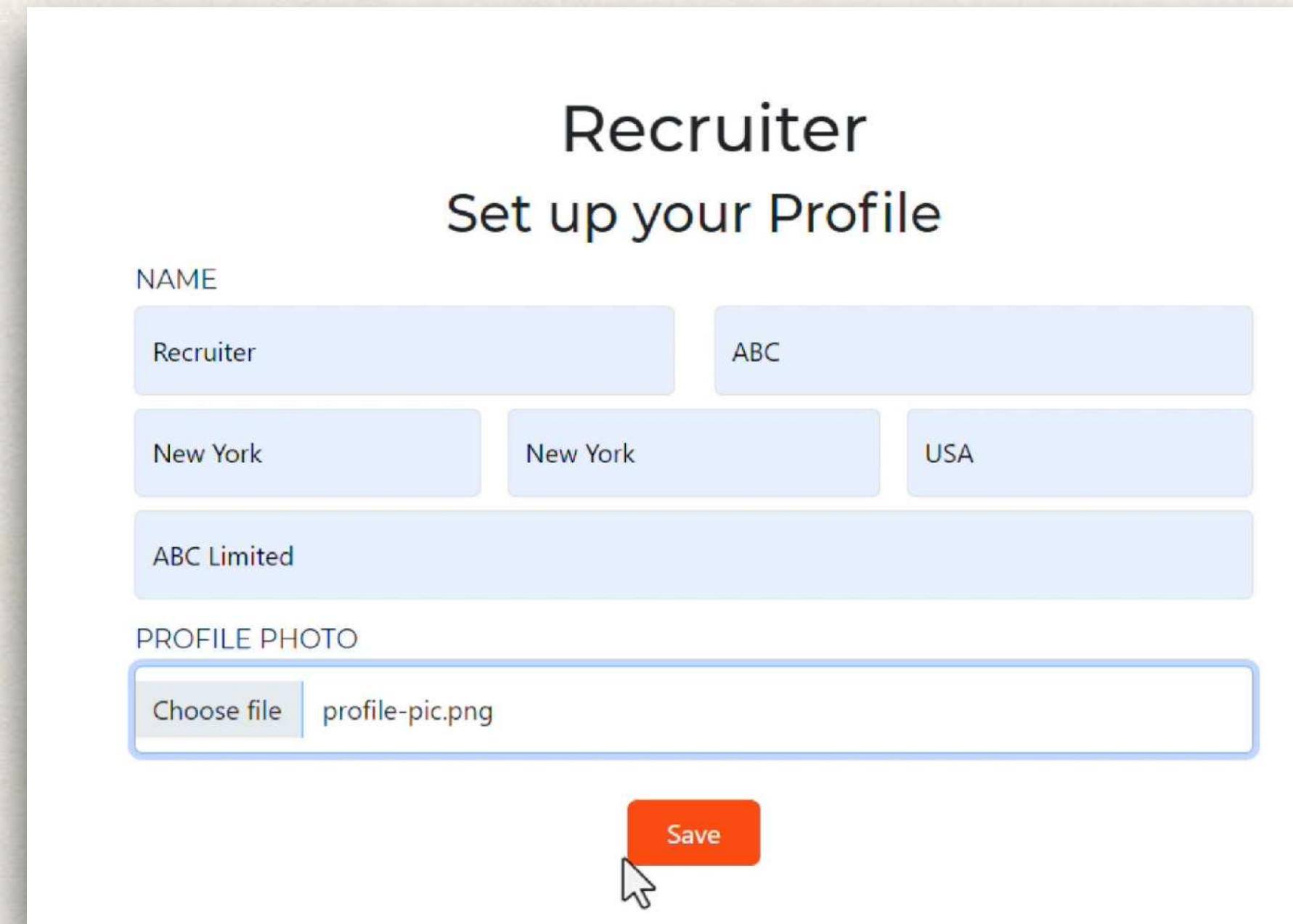
New York New York USA

ABC Limited

PROFILE PHOTO

Choose file profile-pic.png

Save



## Candidate

Set up your Profile

NAME

Job Seeker

New York New York USA

WORK CLASSIFICATION

US Citizen Full-Time

SKILLS

Java 3 Intermediate

Spring Boot 3 Intermediate

Add Skill

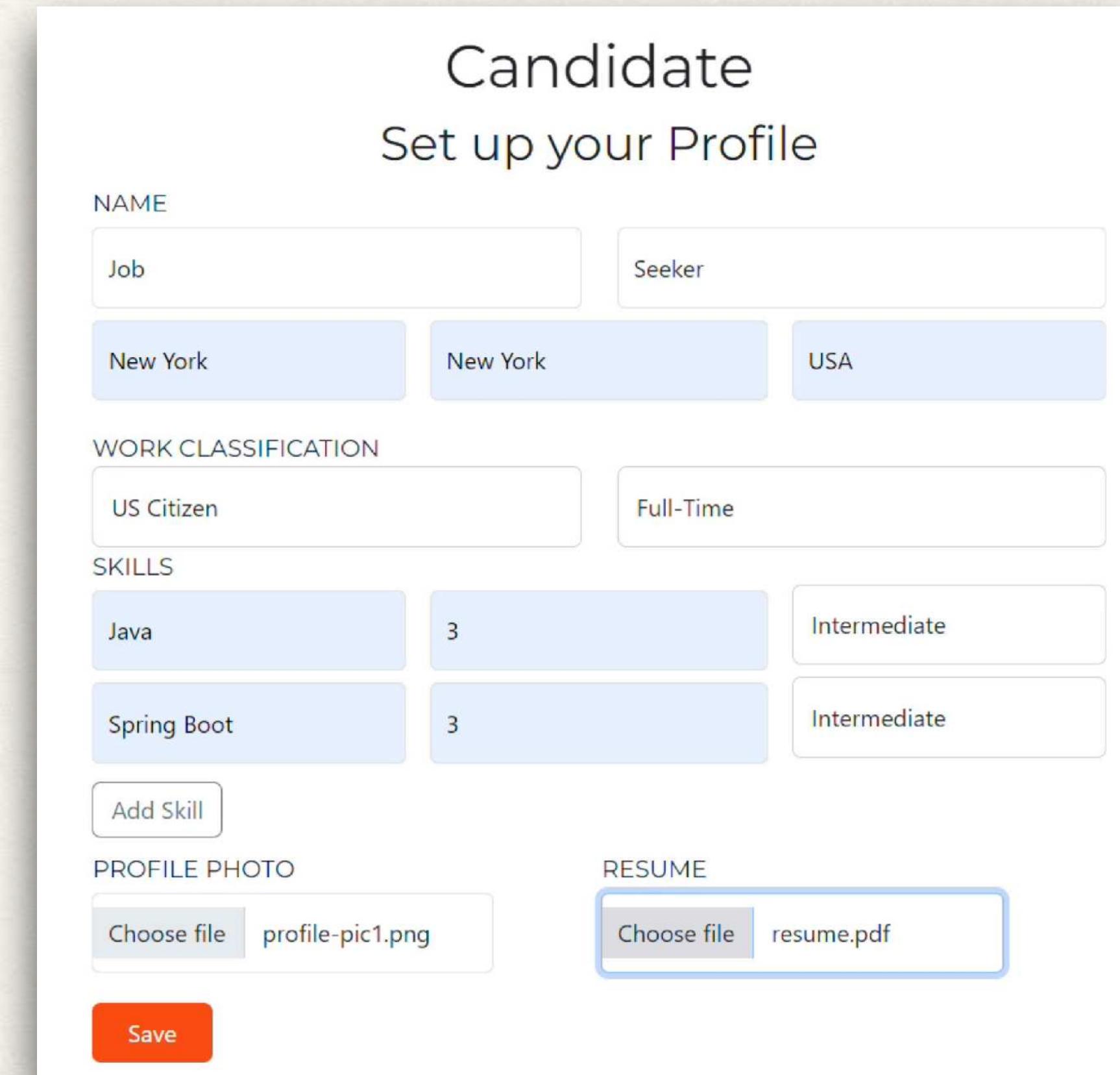
PROFILE PHOTO

Choose file profile-pic1.png

RESUME

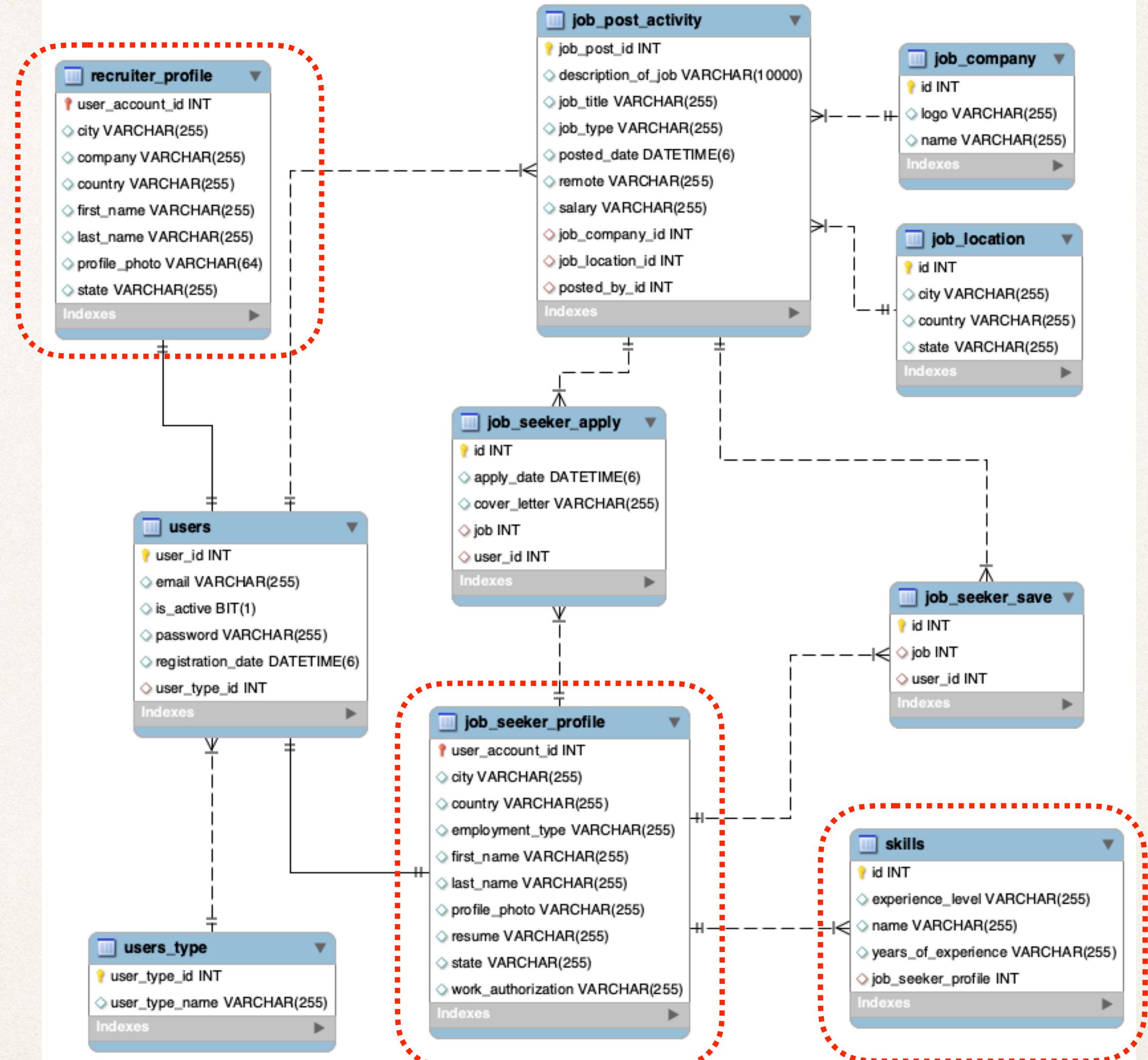
Choose file resume.pdf

Save



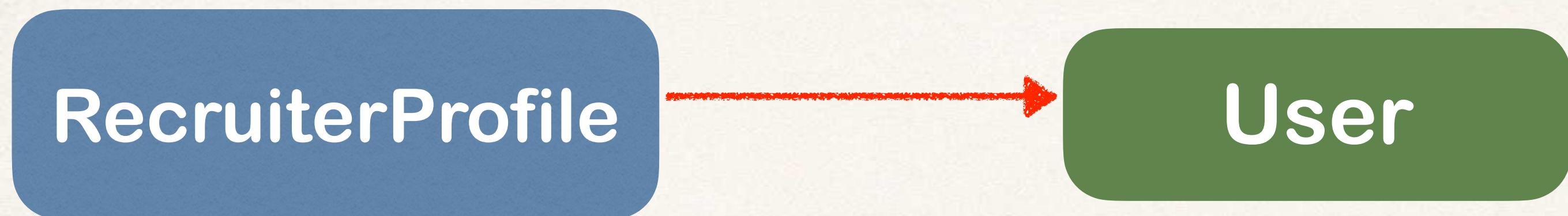
# Create the JPA/Hibernate database entities

- RecruiterProfile
- JobSeekerProfile
- Skills

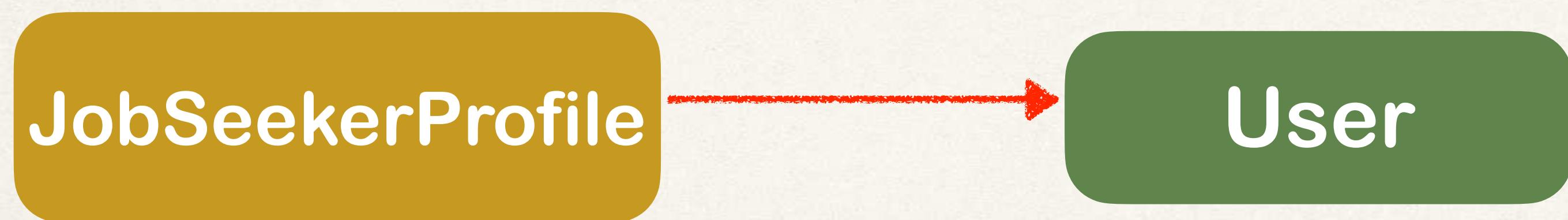


# Profile: One-to-One Mapping

- A RecruiterProfile is associated with one User



- A JobSeekerProfile is associated with one User



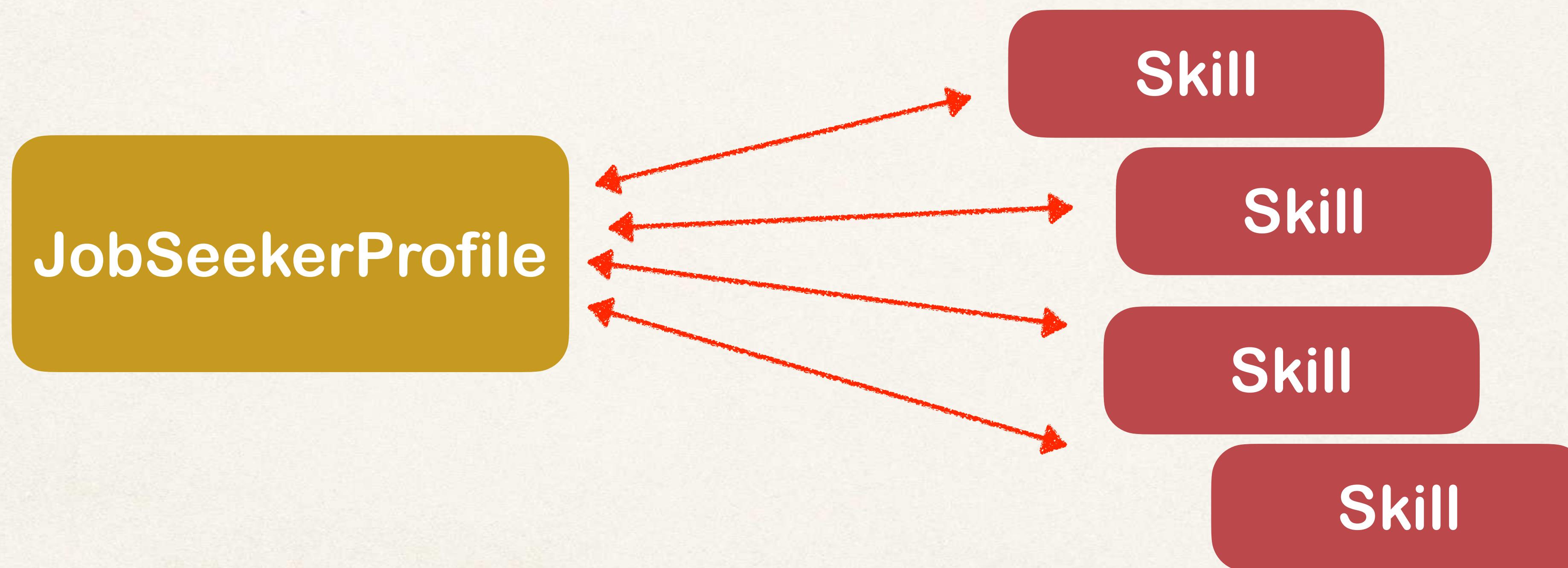
# Development Process

*Step-By-Step*

- ✓ 1. Set up Spring Boot project
- ✓ 2. Add project template files (HTML, JS and CSS)
- ✓ 3. Database Entities for Users, UserTypes
- ✓ 4. User Registration: Repositories and Controller
- ✓ 5. Create profiles for Recruiter and Job Seekers
- 6. Add support for Skills to Job Seekers

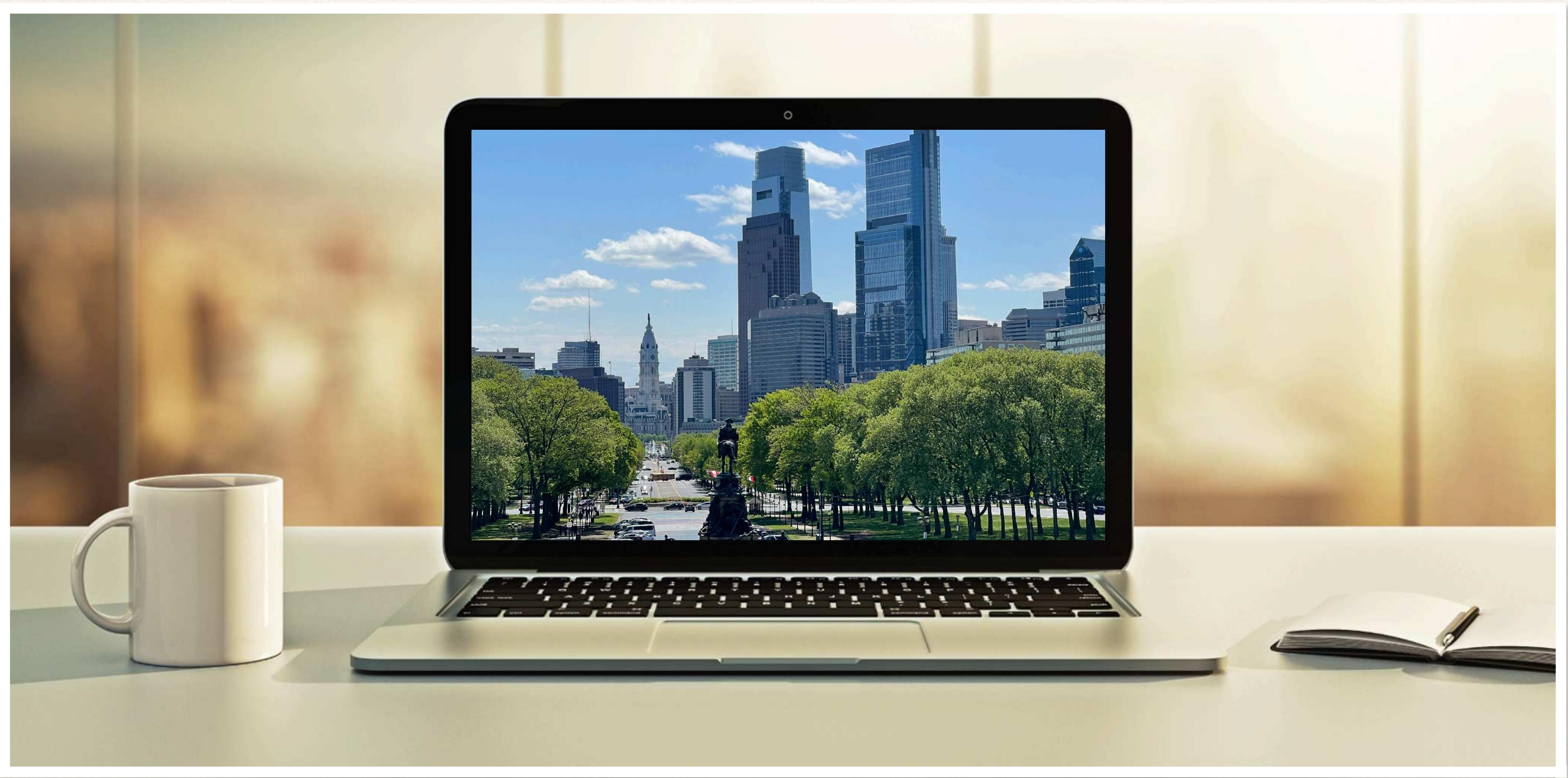
# Skills: One-to-Many Mapping

- A Job Seeker can have one to many skills: Java, AI, AWS etc ...



# User Registration

## Step 6: Add support for Skills to Job Seekers



# Development Process

*Step-By-Step*

- ✓ 1. Set up Spring Boot project
- ✓ 2. Add project template files (HTML, JS and CSS)
- ✓ 3. Database Entities for Users, UserTypes
- ✓ 4. User Registration: Repositories and Controller
- ✓ 5. Create profiles for Recruiter and Job Seekers
- 6. Add support for Skills to Job Seekers

# Job Seeker / Candidate: Add Skills

Candidate  
Set up your Profile

NAME

WORK CLASSIFICATION

SKILLS

Skill	Level	Experience
Java	3	Intermediate
Spring Boot	3	Intermediate

Add Skill

PROFILE PHOTO

profile-pic1.png

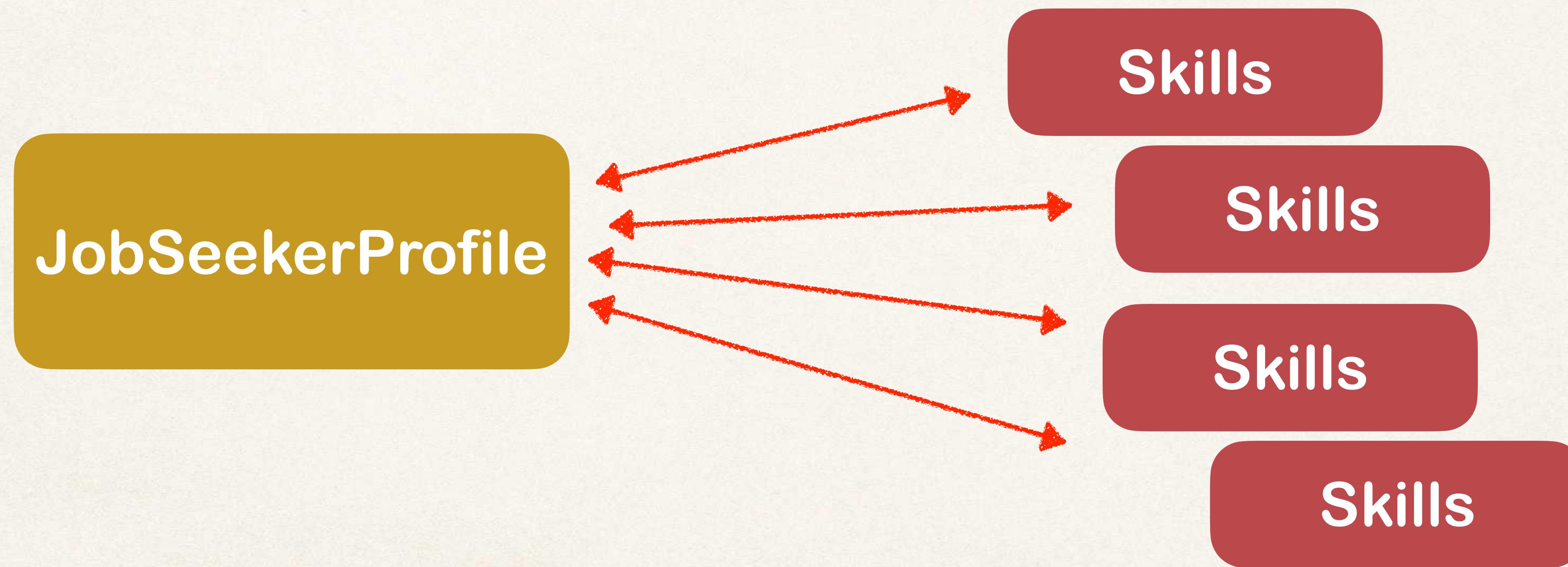
RESUME

resume.pdf

Save

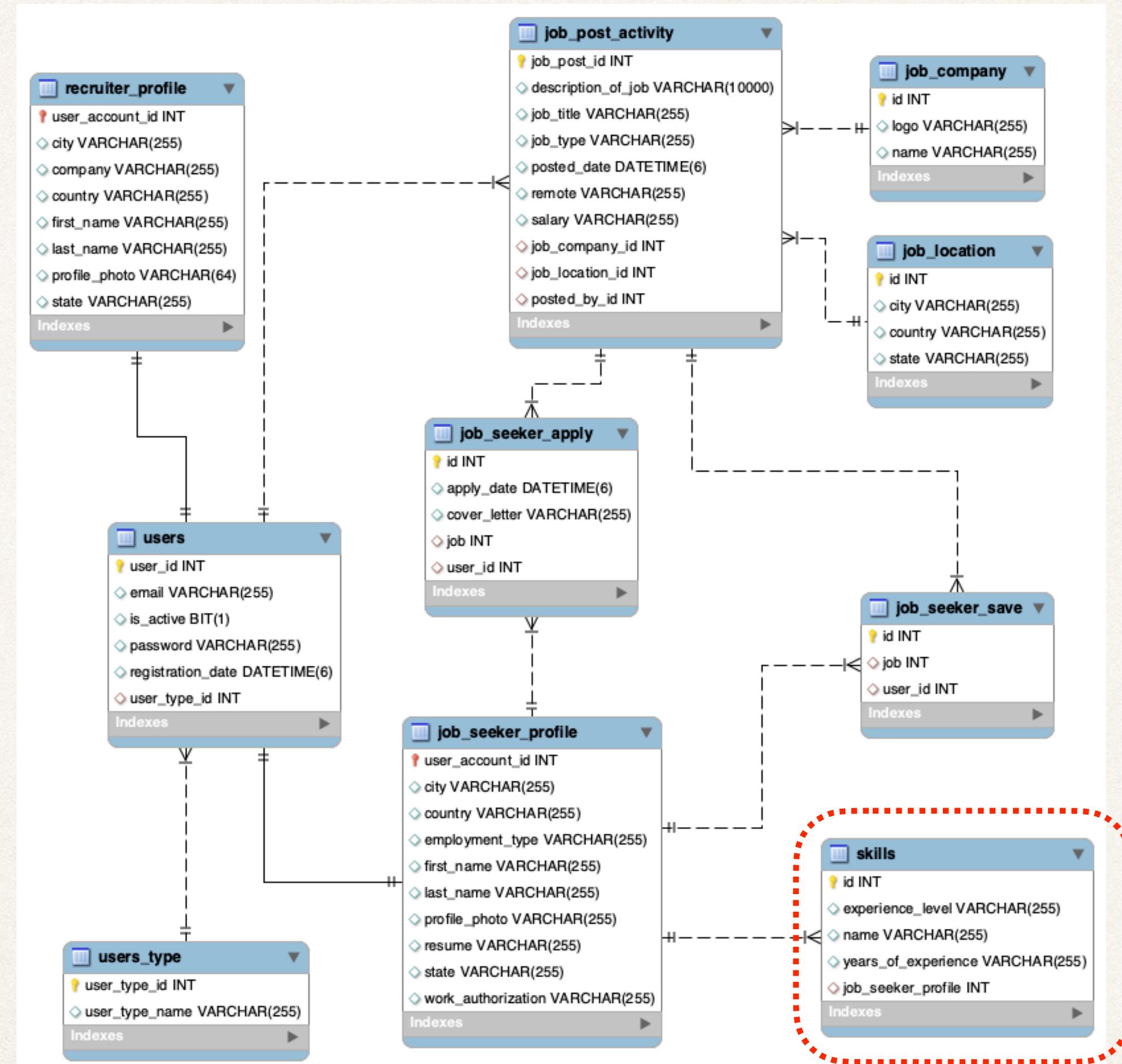
# Skills: One to Many

- A Job Seeker can have one to many skills: Java, AI, AWS etc ...

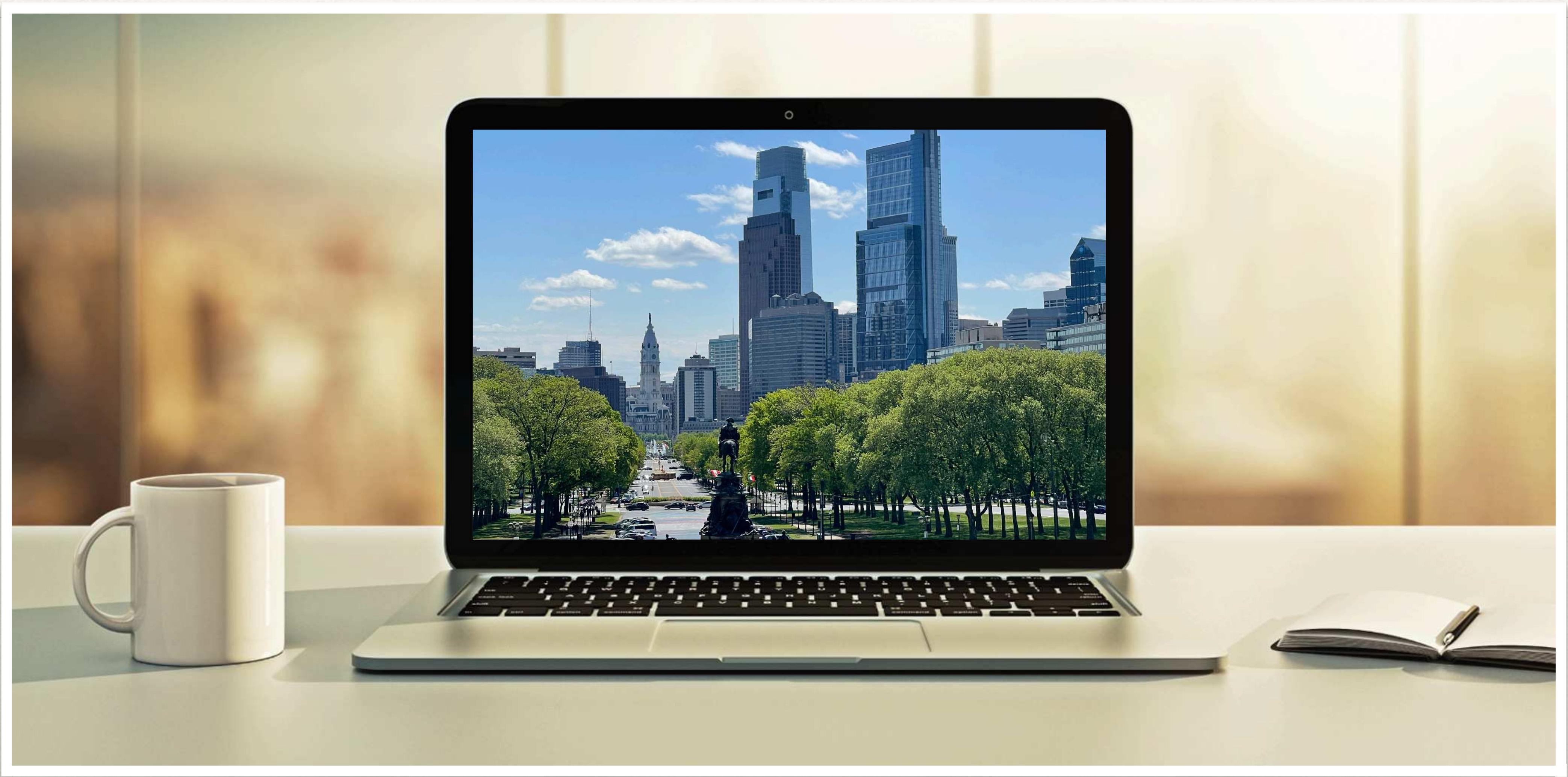


# Create the JPA/Hibernate database entities

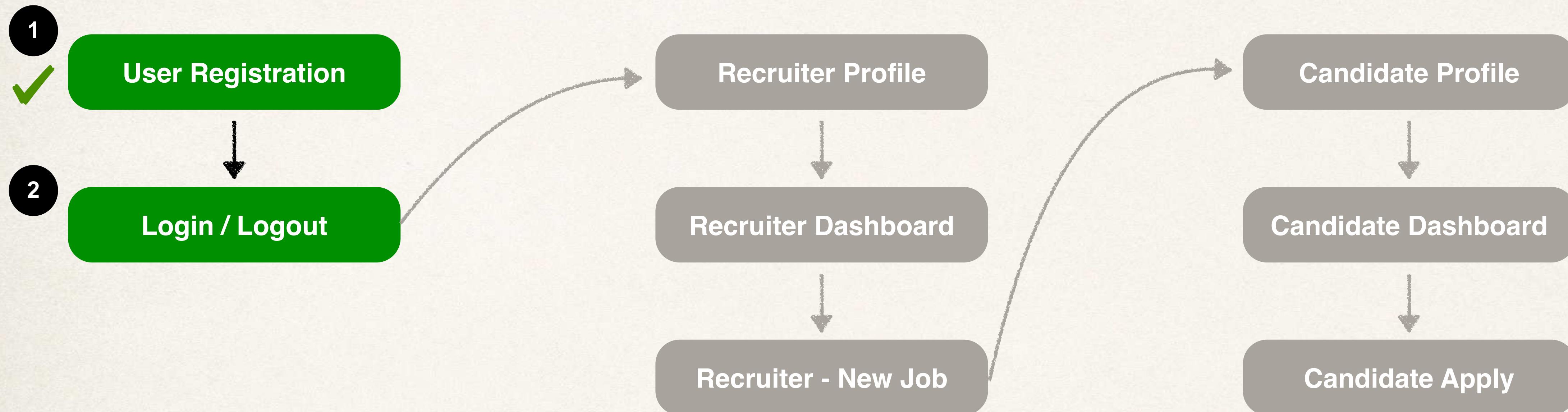
- Skills



# Login / Logout



# Development Road Map

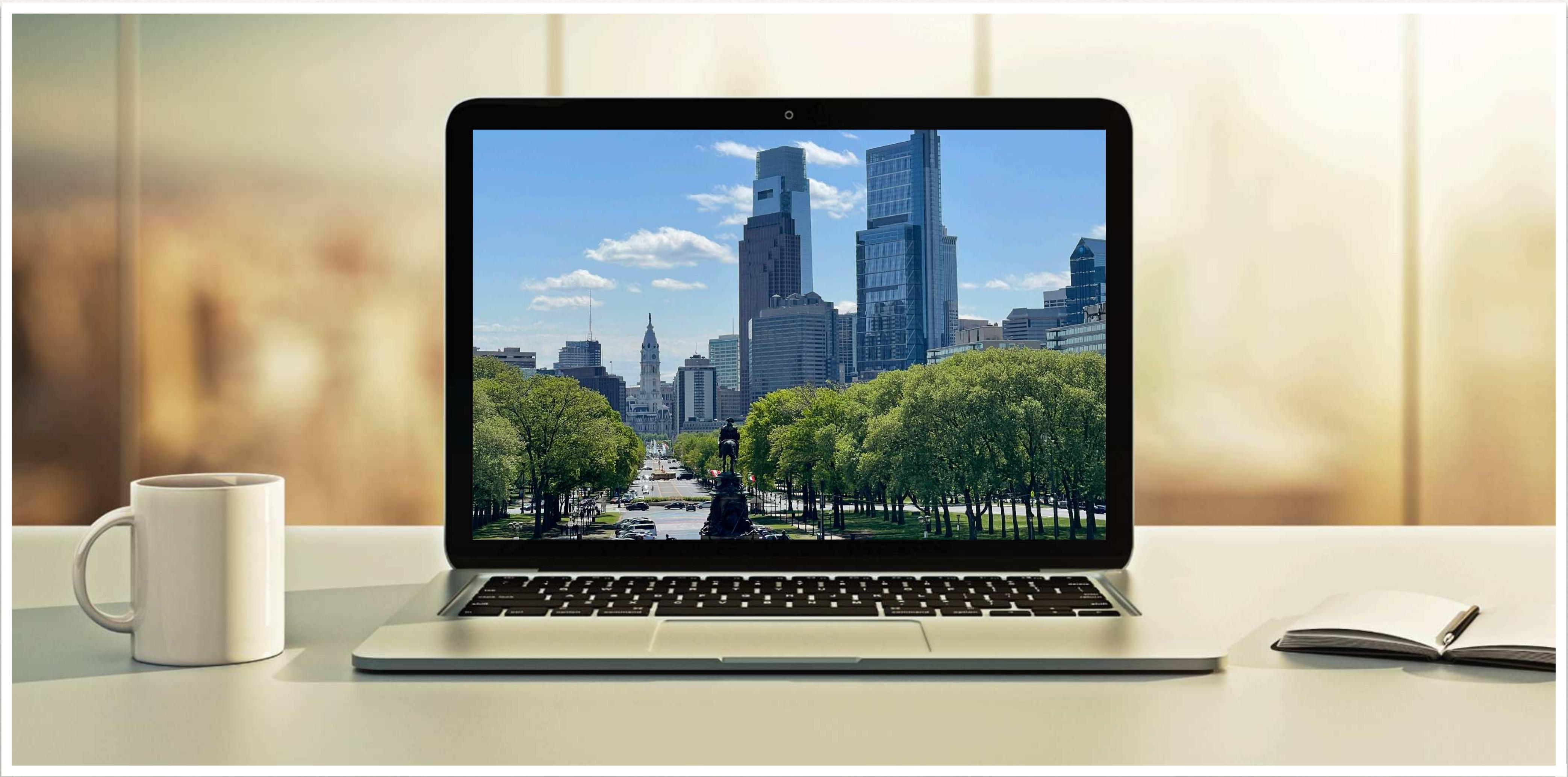


# Development Process

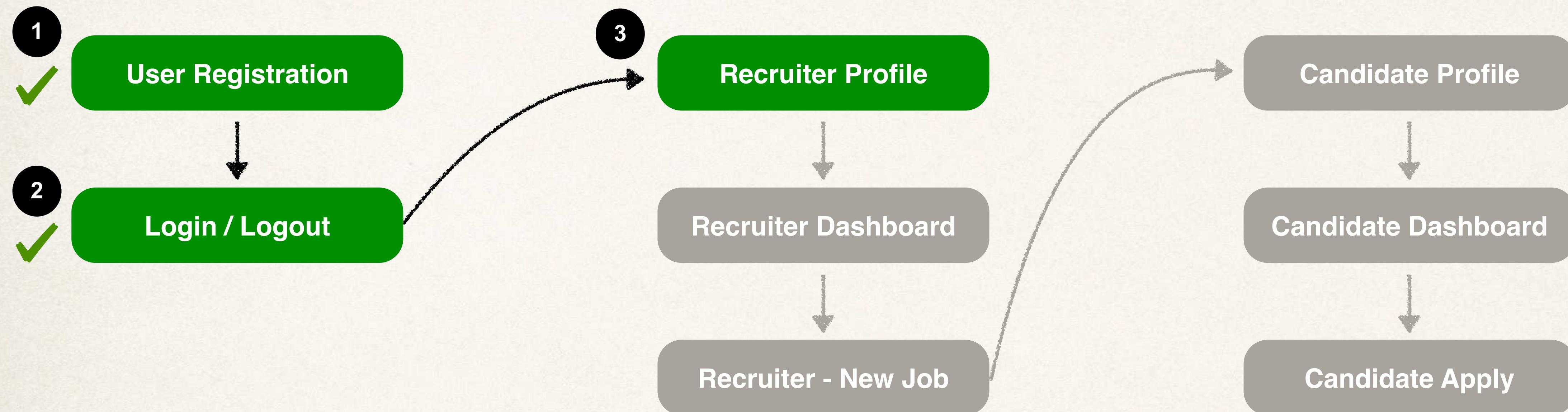
Step-By-Step

1. Add Spring Security Maven dependencies
2. Configure Spring Security
3. Develop custom user authentication and authorization
4. Create custom authentication success handler
5. Integrate dashboard with current logged in user
6. Add Login/Logout request mappings to controller

# Recruiter Profile



# Development Road Map



# Recruiter Profile - Upload Profile Photo

**Recruiter**  
Set up your Profile

NAME

Recruiter ONE

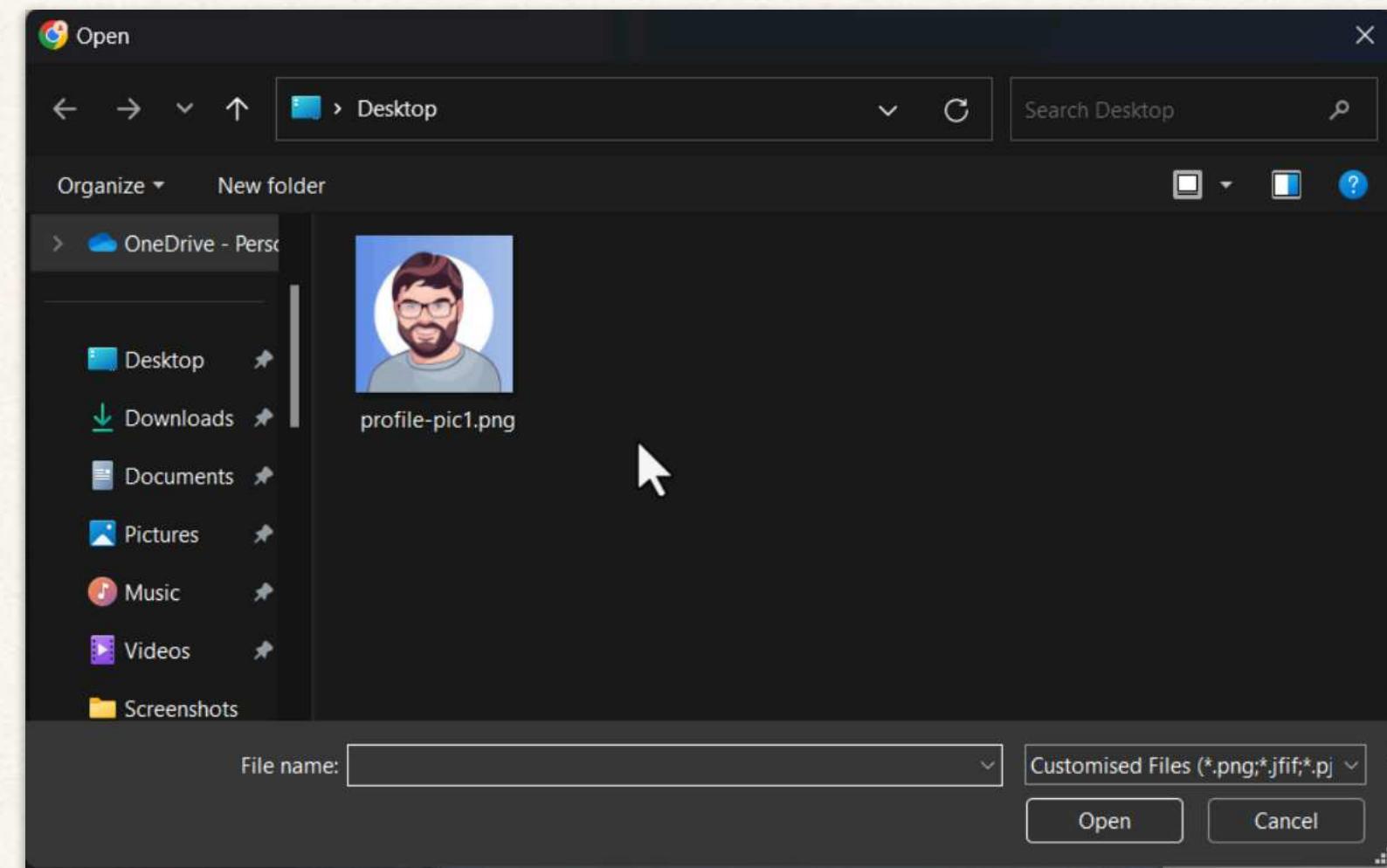
New York New York USA

ABC Limited

PROFILE PHOTO

Choose File  No file chosen

Save

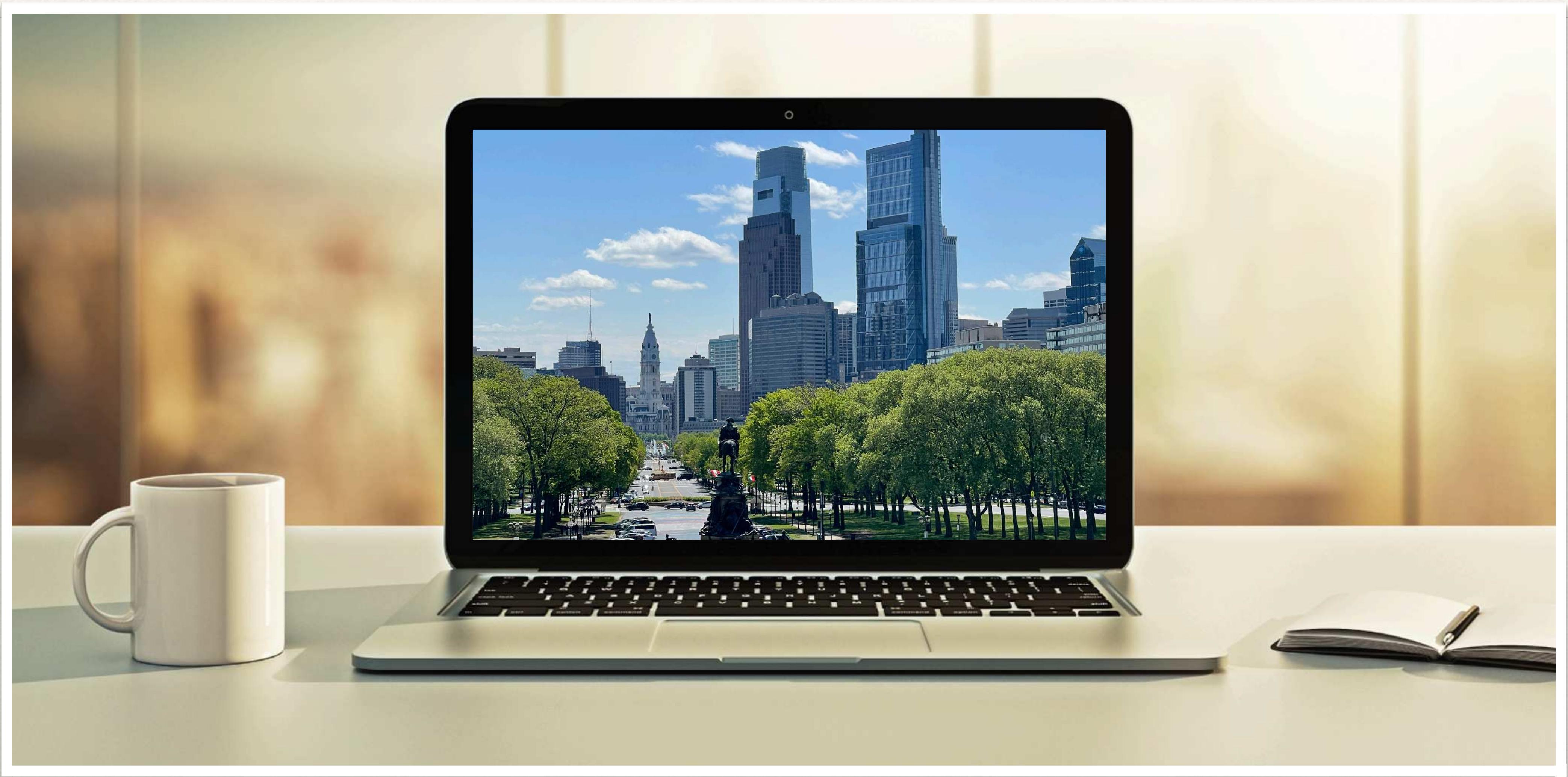


# Development Process

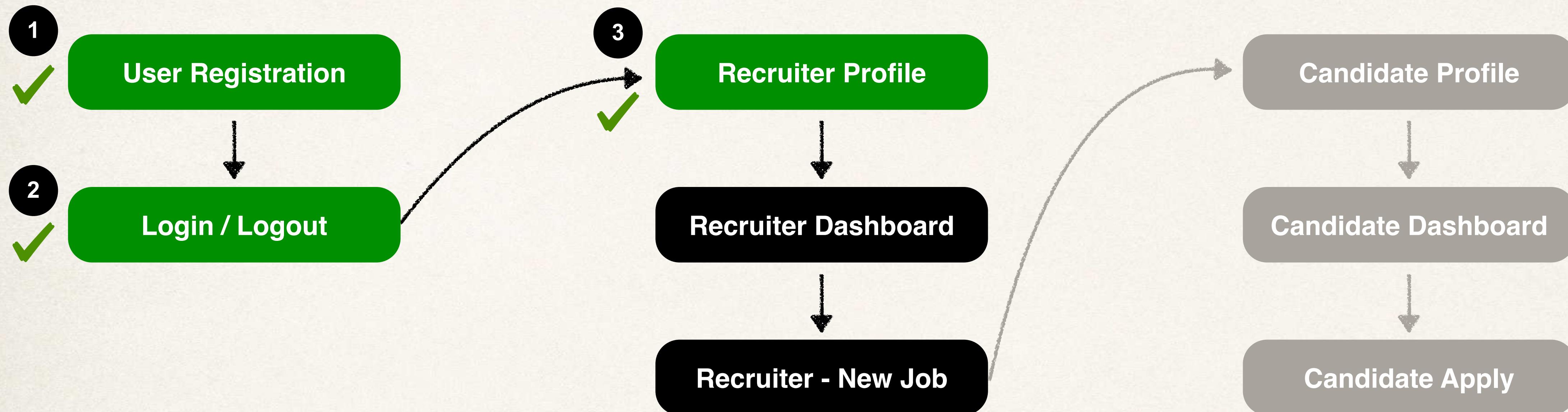
*Step-By-Step*

1. Create RecruiterProfile - controller and service
2. Add support for file upload of Recruiter profile image
3. Update dashboard to display Recruiter profile image

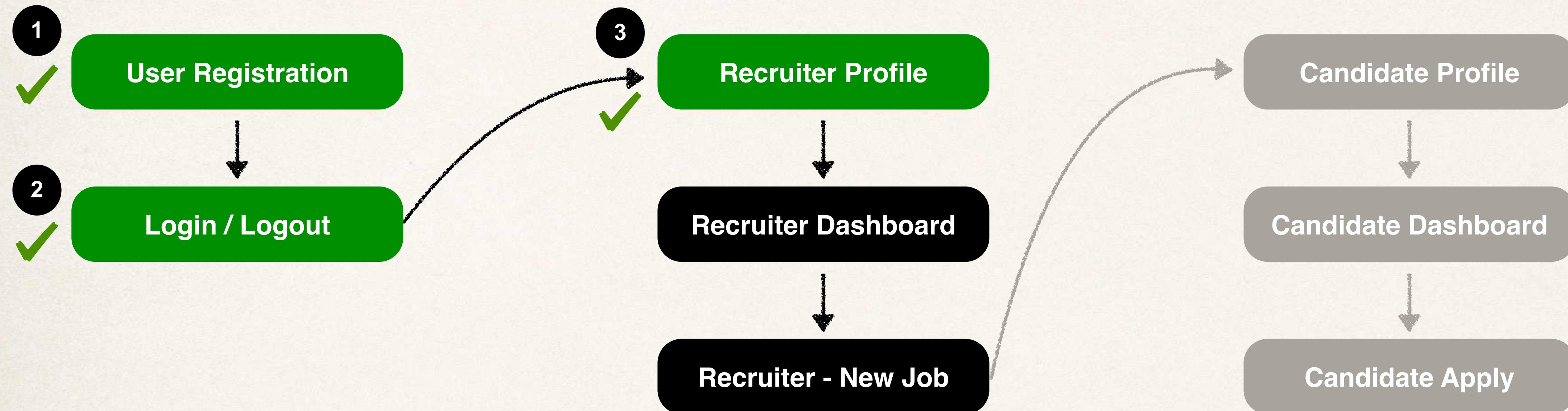
# Recruiter Dashboard - Post New Job



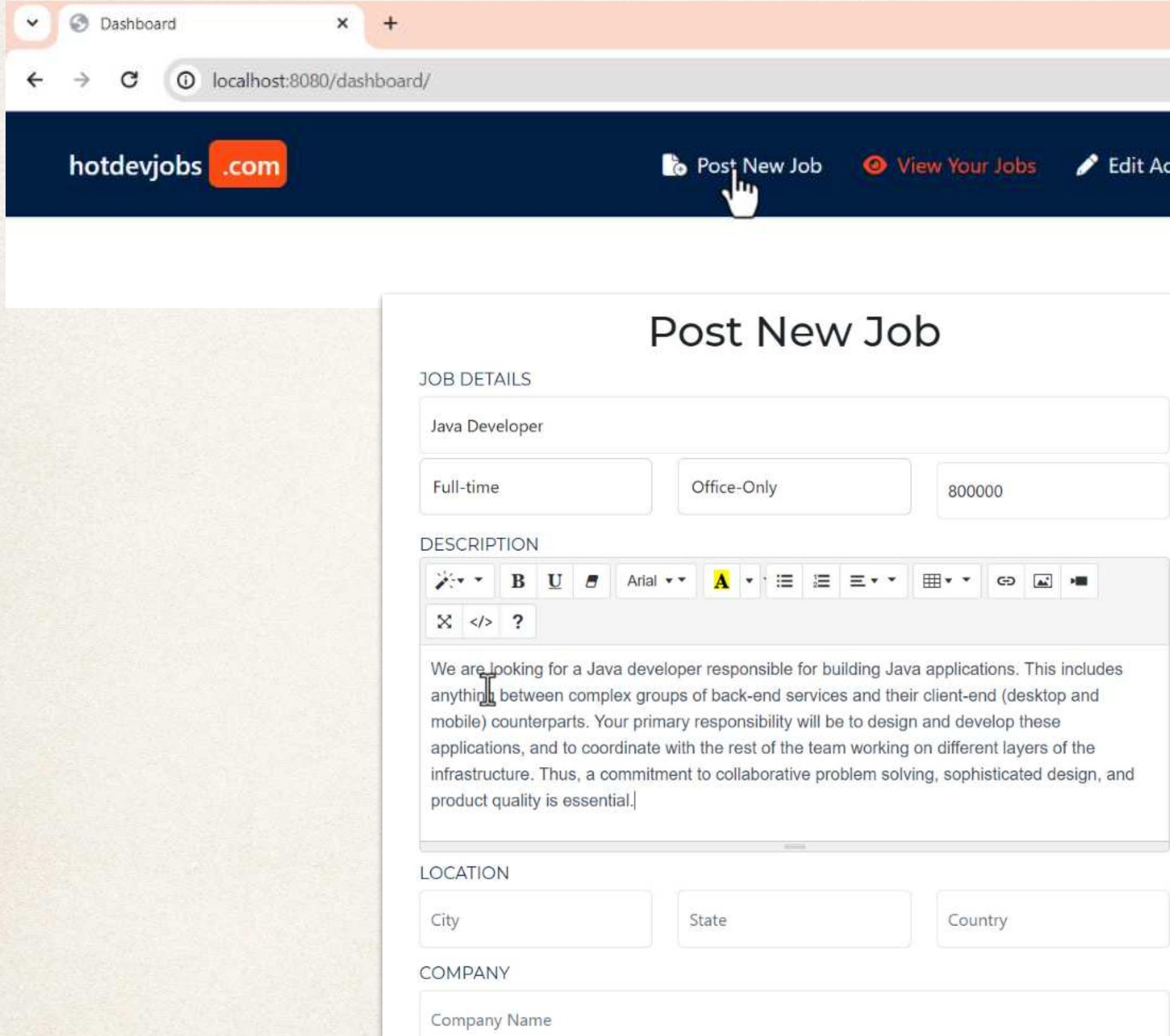
# Development Road Map



# Development Road Map



# Recruiter Dashboard - Post New Job



The screenshot shows a web browser window for 'hotdevjobs .com' at 'localhost:8080/dashboard/'. The top navigation bar includes links for 'Post New Job' (with a cursor icon pointing to it), 'View Your Jobs', 'Edit Account', and a user profile for 'Recruiter ONE'. A large central modal window is titled 'Post New Job' and contains a 'JOB DETAILS' section with fields for job title ('Java Developer'), full-time status ('Full-time'), office-only status ('Office-Only'), and salary ('800000'). Below this is a 'DESCRIPTION' section with a rich text editor toolbar and a text area containing a job description for a Java developer. Further down are sections for 'LOCATION' (City, State, Country) and 'COMPANY' (Company Name). The background of the dashboard has a light beige gradient.

In this section, we will focus on posting a new job

In later sections, we will enhance the dashboard to display a list of our jobs  
*View Your Jobs*

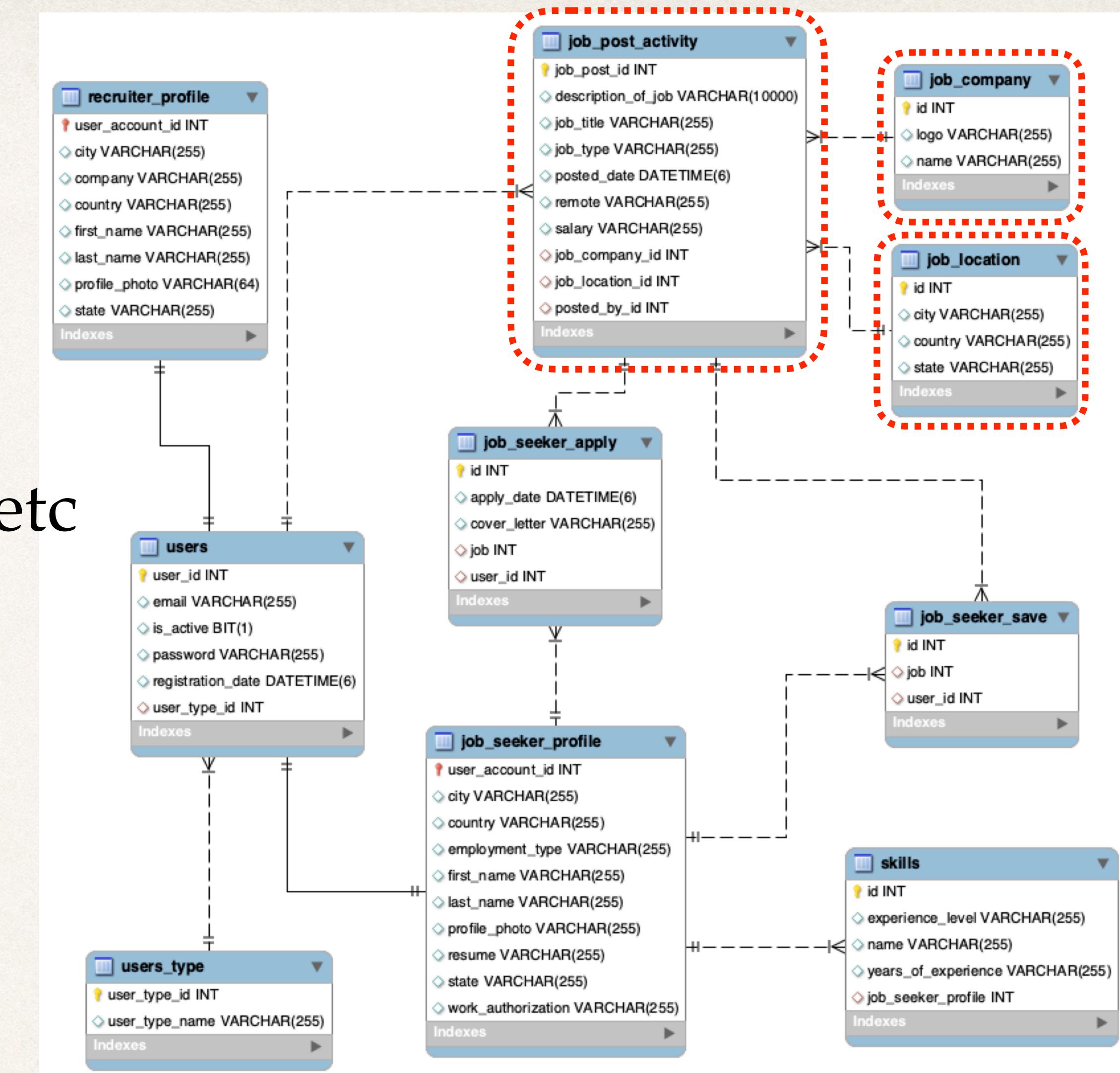
# Development Process

*Step-By-Step*

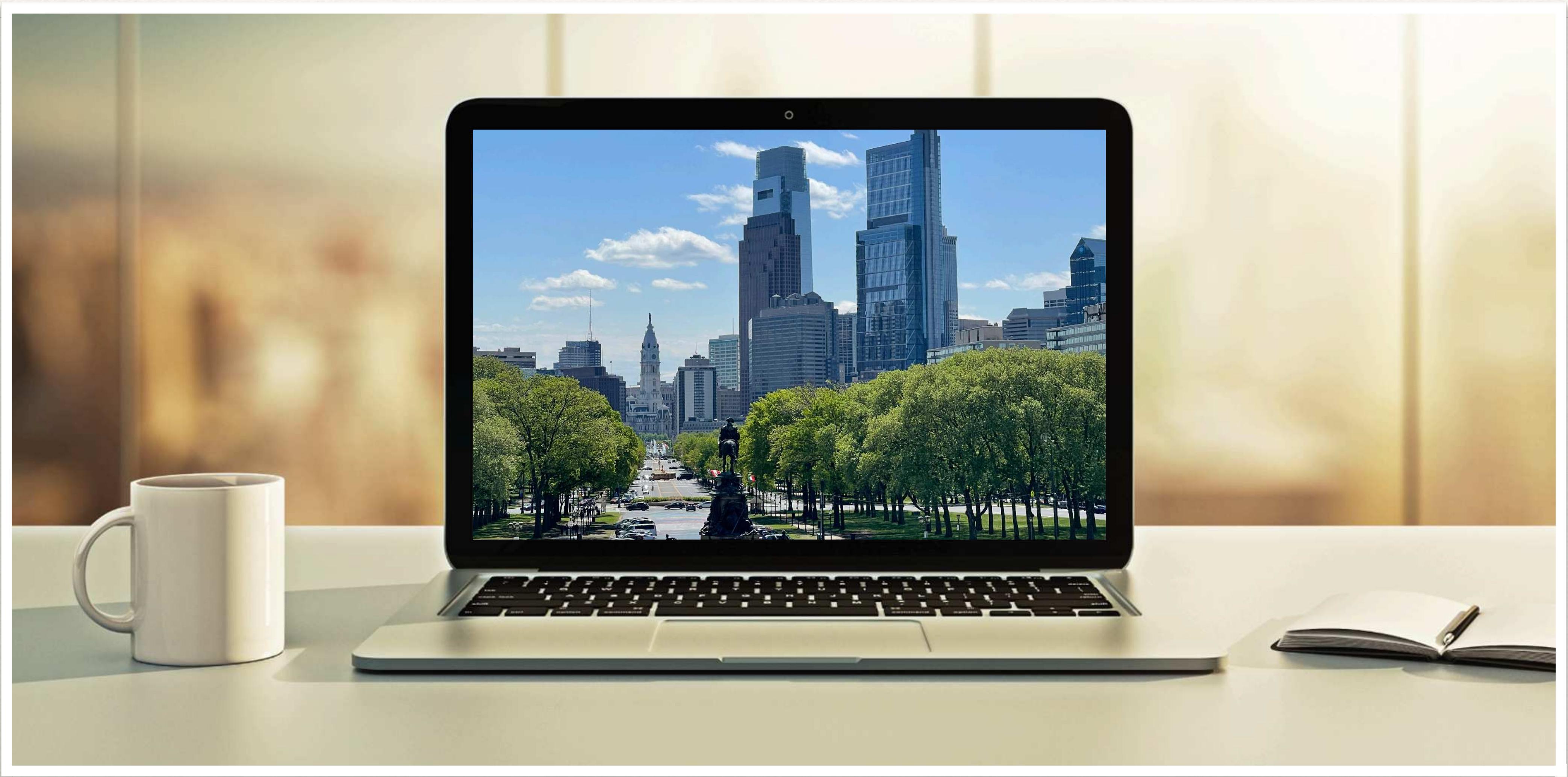
1. Create JPA entities: JobLocation, JobCompany, JobPostActivity
2. JobPostActivityController: enhance for posting a new job
3. Integrate HTML form for posting a new job

# JPA Entities

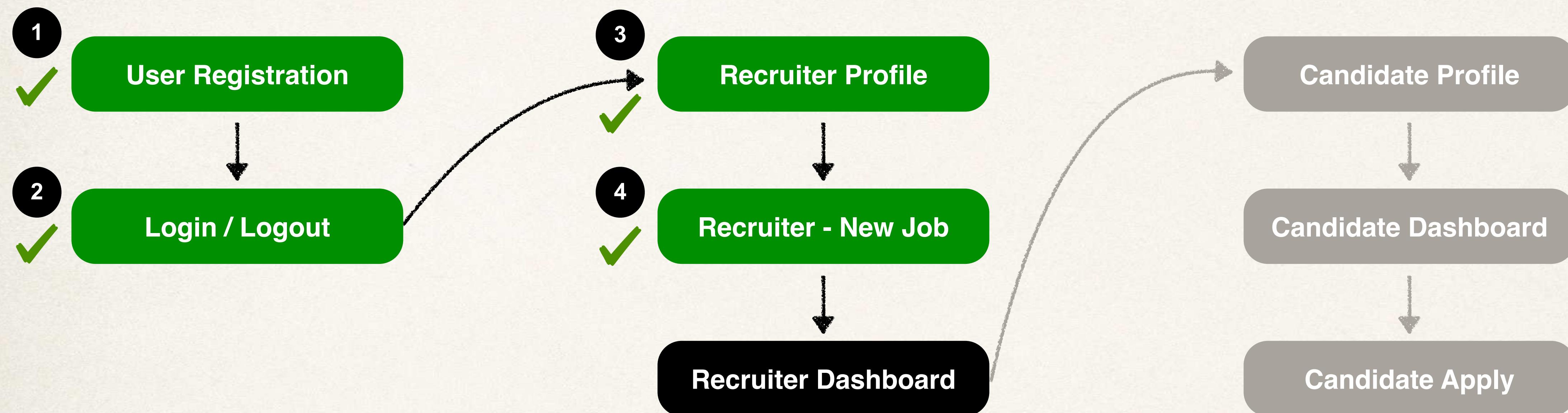
- JobLocation: city, country, state
- JobCompany: name, logo
- JobPostActivity: title, description etc



# Recruiter Dashboard



# Development Road Map



# Recruiter Dashboard

The screenshot shows the Recruiter Dashboard interface. At the top, there is a navigation bar with links for "Post New Job", "View Your Jobs", "Edit Account", and a user profile icon labeled "Recruiter ONE". A "Logout" button is also present. Below the navigation bar, the main title "Recruiter Dashboard" is displayed. A job listing card is shown, featuring the position "Java Developer" with "(0 Candidates Applied)", the location "New York, New York", and the company "ABC Pvt Limited". A cursor is hovering over the job listing card.

Display your  
list of jobs

# Recruiter Dashboard

The screenshot shows a recruiter dashboard for 'hotdevjobs .com'. The top navigation bar includes links for 'Post New Job', 'View Your Jobs', 'Edit Account', and a user profile for 'Recruiter ONE' with a 'Logout' button. The main content area displays a 'Job Details' page for a 'Java Developer' position located in 'New York, New York' at 'ABC Pvt Limited'. The job was posted on '2024-02-11 11:34:16.933'. Key details include a salary of '800000', 'Full-time' type, and 'Office-Only' remote status. The 'Job Description' section states: 'We are looking for a Java developer responsible for building Java applications. This includes anything between complex groups of back-end services and their client-end (desktop and mobile) counterparts. Your primary responsibility will be to design and develop these applications, and to coordinate with the rest of the team working on different layers of the infrastructure. Thus, a commitment to collaborative problem solving, sophisticated design, and product quality is essential.' Action buttons at the bottom allow the user to 'Edit Job' or 'Delete Job'.

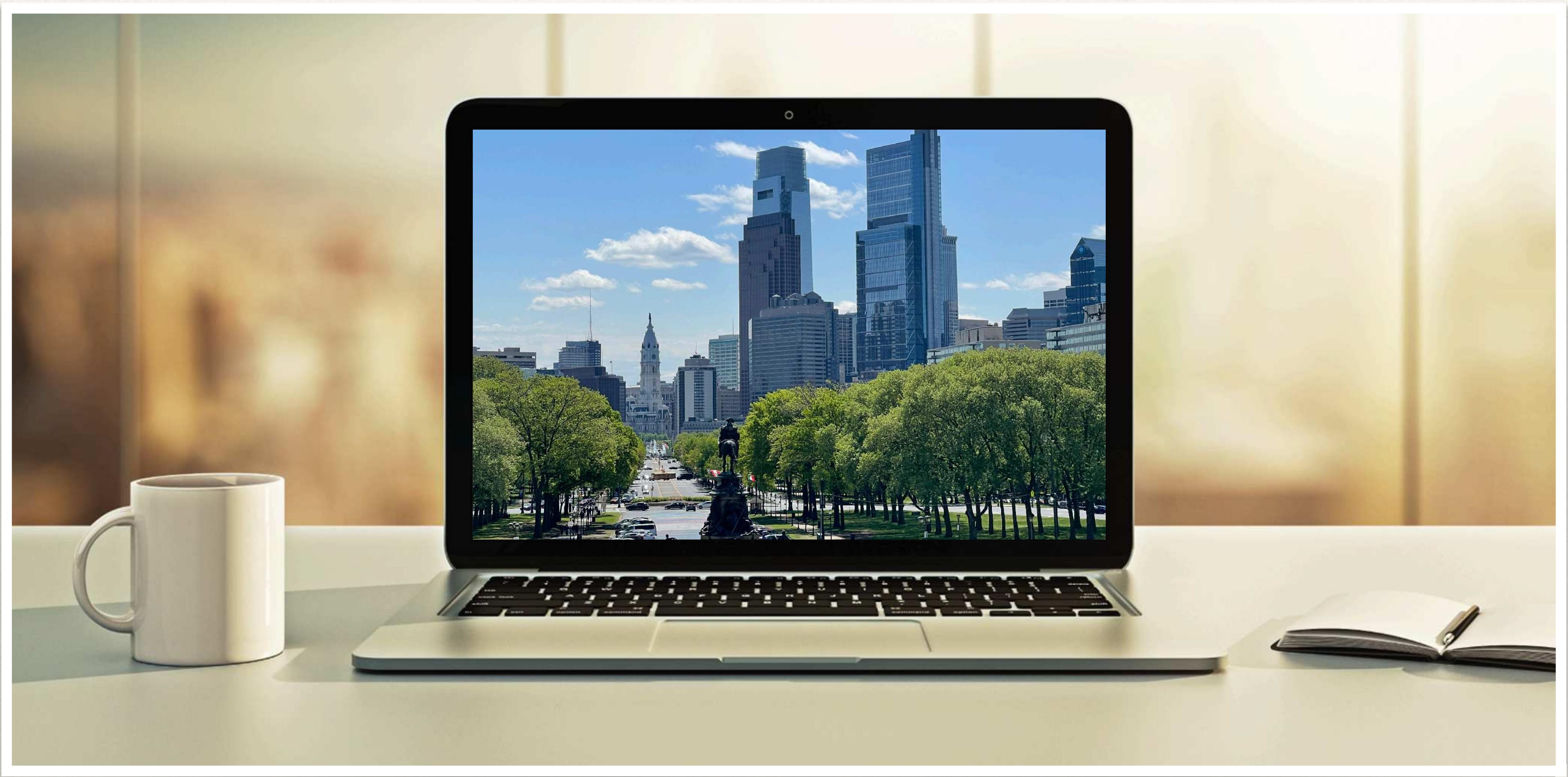
View  
Job Details

# Development Process

*Step-By-Step*

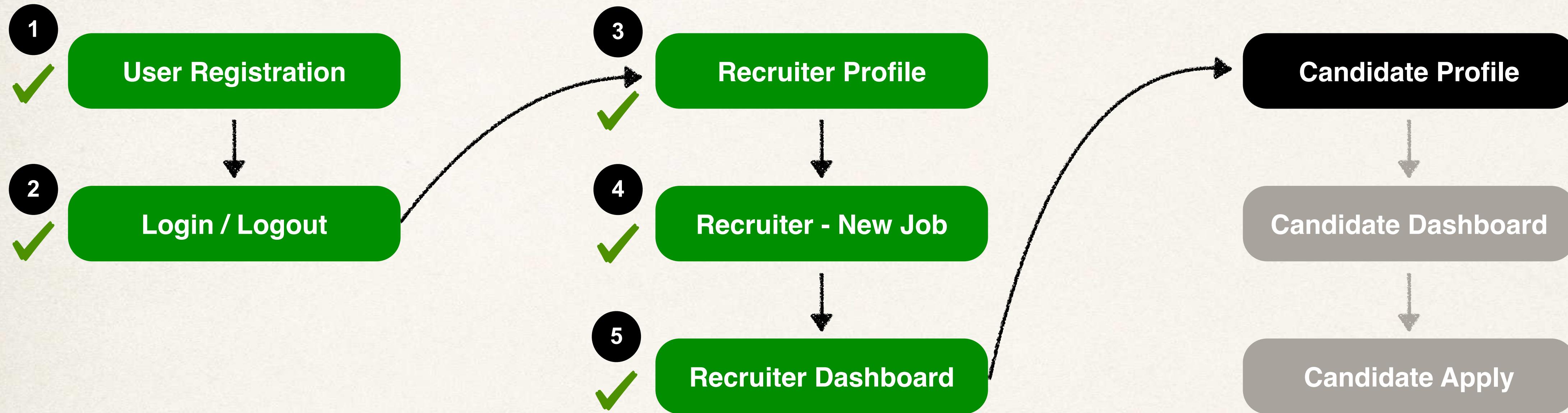
1. Enhance dashboard.html to display a list of jobs on the dashboard
2. Update JobPostActivityController: retrieve list of jobs for logged in recruiter
3. Add support to show job details

# Candidate Profile



# Development Road Map

Candidate is same as “Job Seeker”



# Candidate Dashboard

Candidate  
Set up your Profile

NAME

Job Seeker

New York New York USA

WORK CLASSIFICATION

US Citizen Full-Time

SKILLS

Java 3 Intermediate

Spring Boot 3 Intermediate

Add Skill

PROFILE PHOTO

Choose file profile-pic1.png

RESUME

Choose file No file chosen

Save

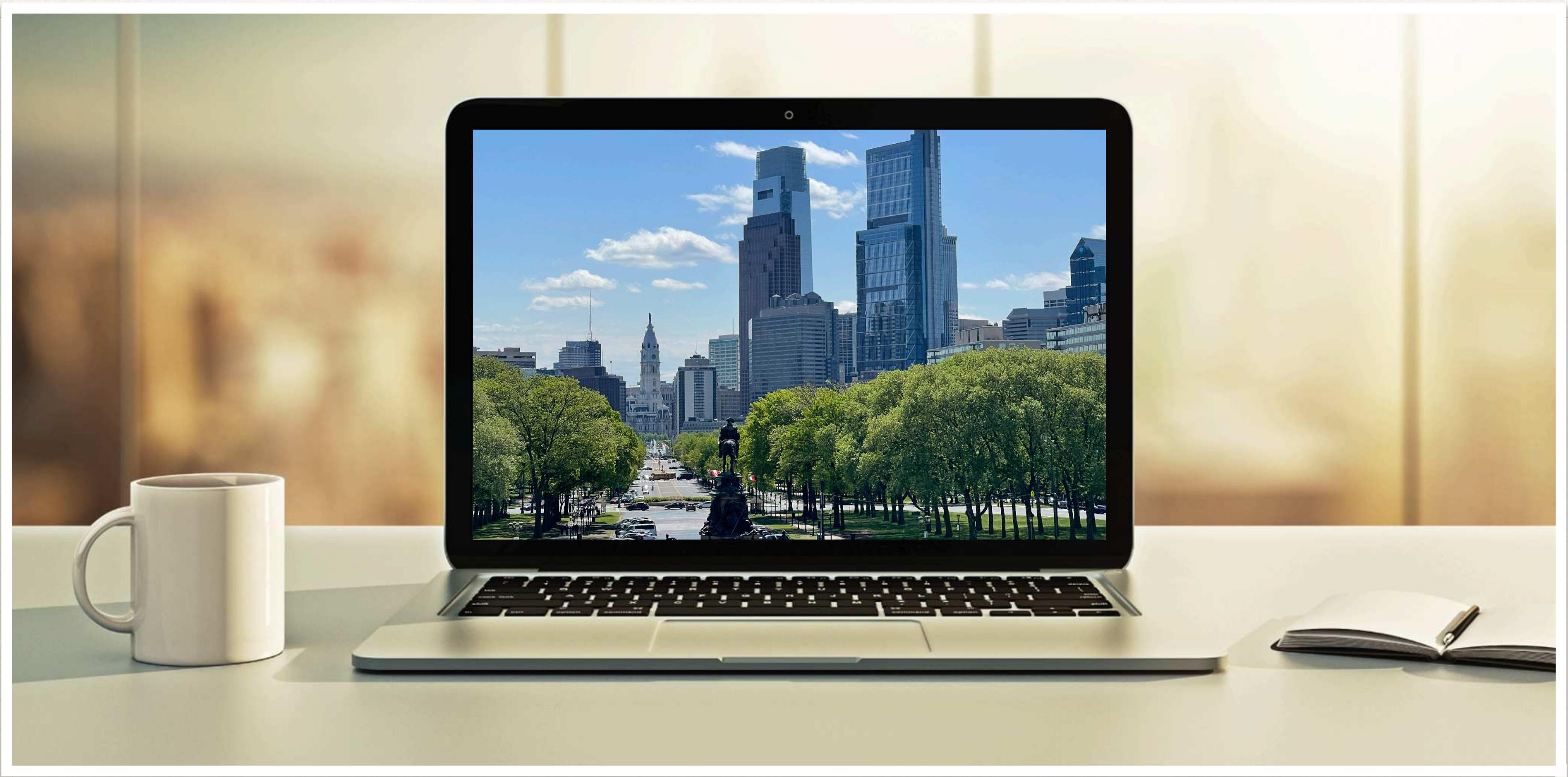
File uploads

# Development Process

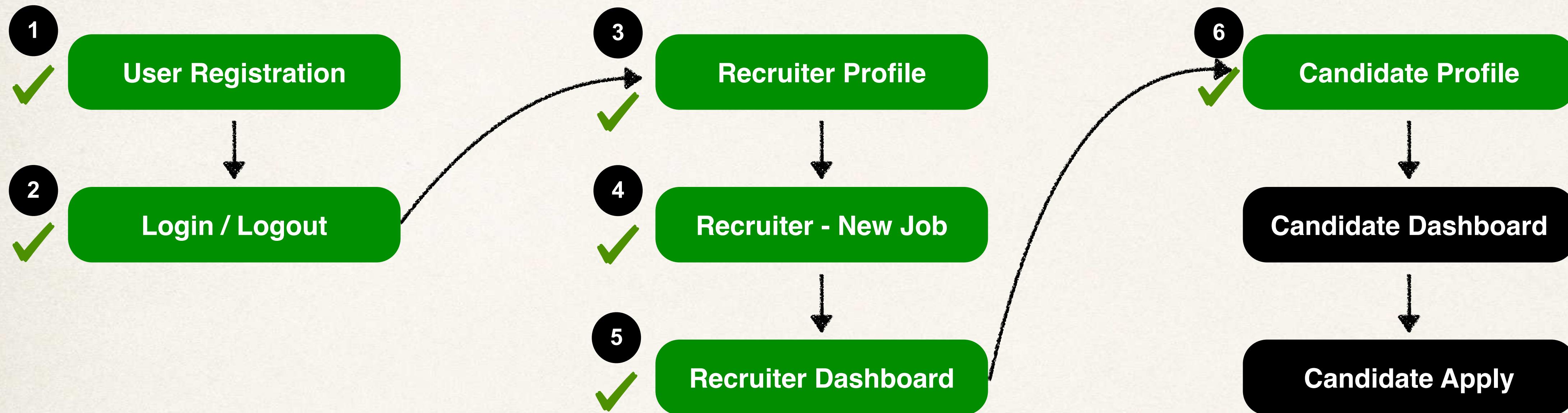
*Step-By-Step*

1. Update entity: JobSeekerProfile
2. Create JobSeekerProfile - controller and service
3. Add support for file upload JobSeeker profile image and resumé

# Candidate Dashboard and Apply



# Development Road Map



# Candidate Dashboard - Apply for Job

The Candidate Dashboard interface. At the top, there are three navigation links: "Search for Jobs", "View Saved Jobs", and "Edit Profile". On the right, there is a user profile icon labeled "Seeker One" and a "Logout" button. Below the header, the title "Candidate Dashboard" is displayed. A search bar with placeholder text "Search for a job" and a "Job Location" input field are present. To the right of the location input is a search icon. The main area is titled "Search Results" and lists two job postings:

- Java Developer** - New York, New York - ABC Pvt Limited
- React Developer** - Delhi, Delhi - ABC PVT LIMITED

The Job Details page for a Java Developer position. At the top, there are three navigation links: "Search for Jobs", "View Saved Jobs", and "Edit Profile". On the right, there is a user profile icon labeled "Seeker One" and a "Logout" button. Below the header, there is a back-link "Back to Search Results". The main title is "Job Details" and it specifies the position as "Java Developer" located in "New York, New York" at "ABC Pvt Limited". The "Job Specs" section includes a salary input field set to "800000", a "Type: Part-time" label, and a "Remote: Office-Only" label. The "Job Description" section contains the following text:

We are looking for a Java developer responsible for building Java applications. This includes anything between complex groups of back-end services and their client-end (desktop and mobile) counterparts. Your primary responsibility will be to design and develop these applications, and to coordinate with the rest of the team working on different layers of the infrastructure. Thus, a commitment to collaborative problem solving, sophisticated design, and product quality is essential.

At the bottom, there are two buttons: "Apply Now" and "Save Job".

# Candidate Dashboard - Save Job

The screenshot shows a job listing for a "React Developer" position. At the top, there are navigation links: "Search for Jobs", "View Saved Jobs", and "Edit Profile". Below that is a user profile for "Seeker One". A red dashed arrow points from the "Save Job" button on the left to the "View Saved Jobs" link at the top of the second screenshot.

**Job Details**

**React Developer**  
Delhi, Delhi  
ABC PVT LIMITED

**Job Specs**

Date Posted: 2024-03-20 12:32:14.743      Salary: 700000      Type: Full-time      Remote: Remote-Only

**Job Description**

We are looking for a great JavaScript developer who is proficient with React.js. Your primary focus will be on developing user interface components and implementing them following known React.js workflows (such as Flux or Redux). You will ensure that these components and the overall application are robust and easy to maintain. You will coordinate with the team working on different layers of the infrastructure. Therefore, a commitment to collaborative problem-solving, sophisticated design, and quality product is important.

**Buttons:** Apply Now, Save Job

The screenshot shows the "Saved Jobs" section. At the top, there are navigation links: "Search for Jobs", "View Saved Jobs", and "Edit Profile". Below that is a user profile for "Seeker One". A red dashed arrow points from the "View Saved Jobs" link at the top of the first screenshot to the "View Saved Jobs" link at the top of this screenshot.

**Saved Jobs**

**Results**

**React Developer**      Delhi, Delhi      ABC PVT LIMITED

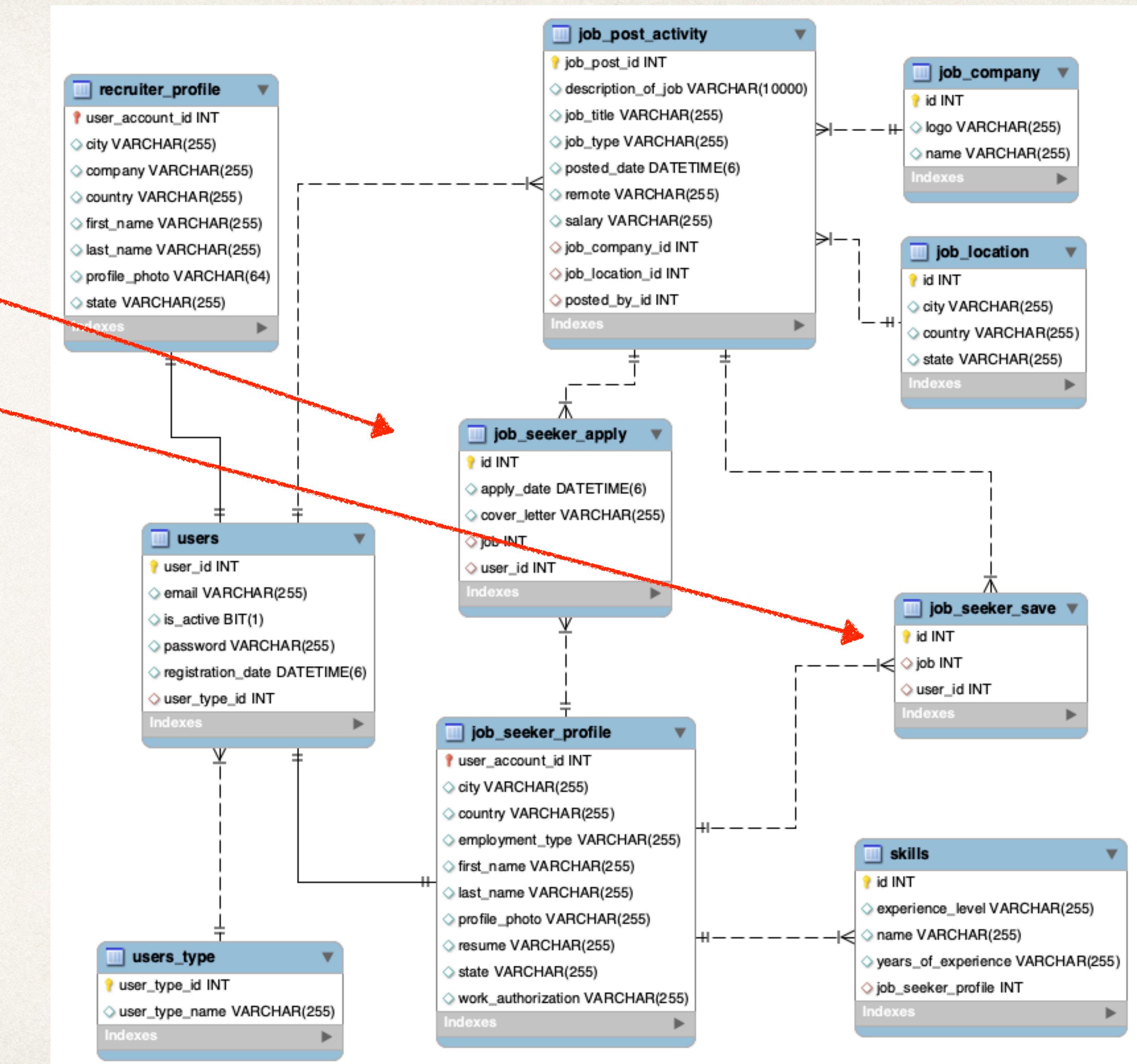
# Development Process

*Step-By-Step*

1. Create JobSeekerApply entity
2. Create JobSeekerSave entity
3. Update controller for searching and applying for job
4. Add support to save jobs for a candidate

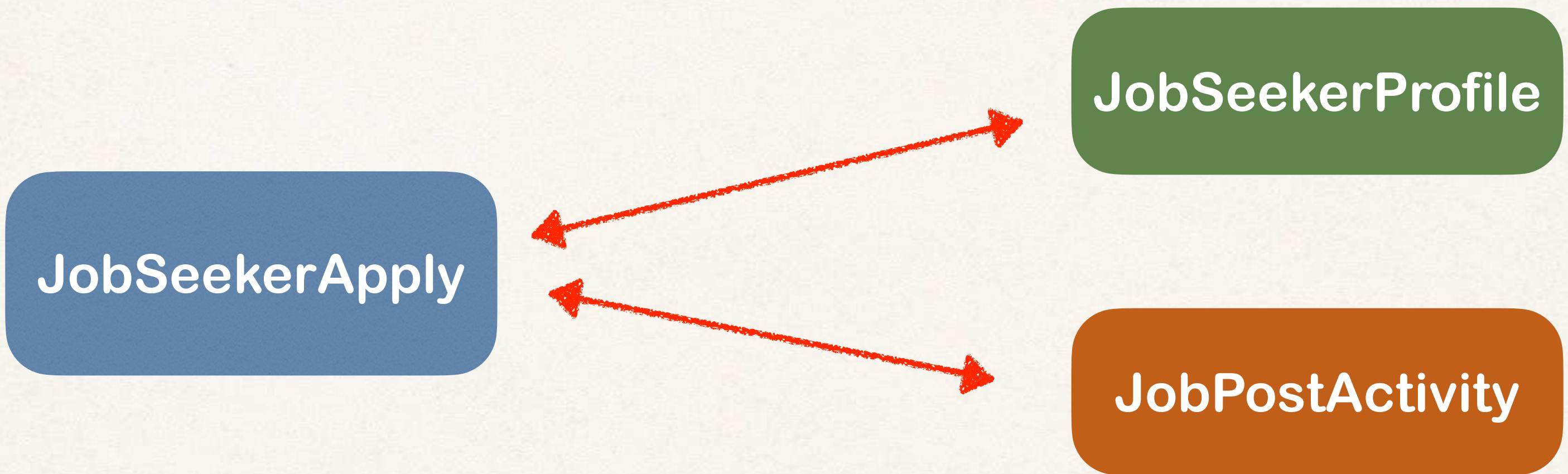
# Database Entities

- JobSeekerApply
- JobSeekerSave



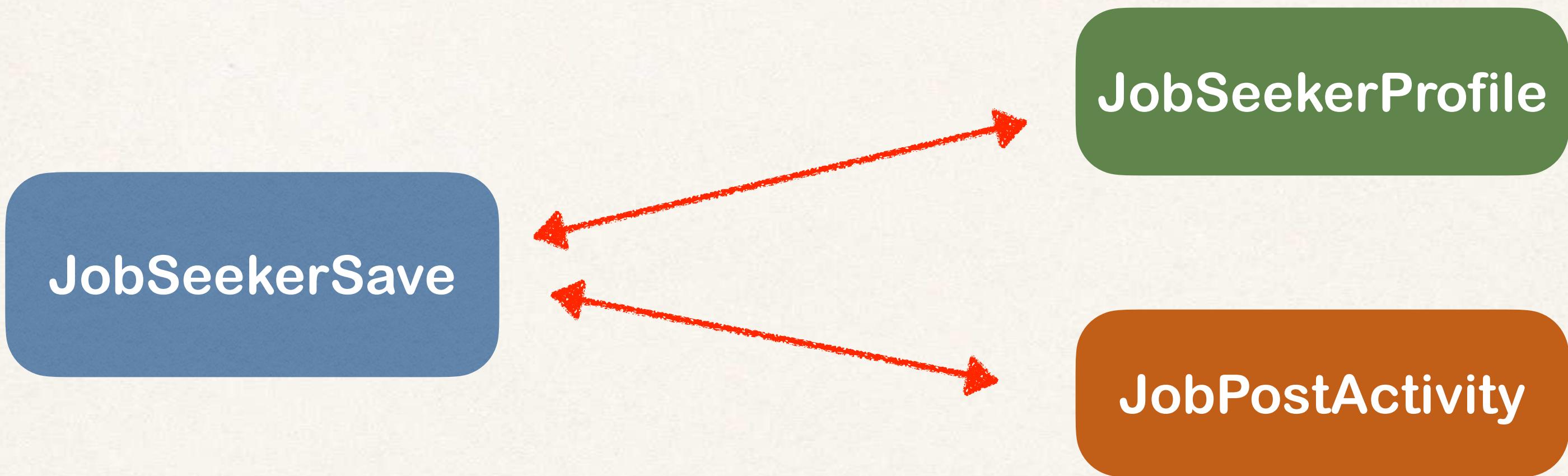
# JobSeekerApply: Many-to-One Mapping

- A JobSeekerApply is mapped many-to-one

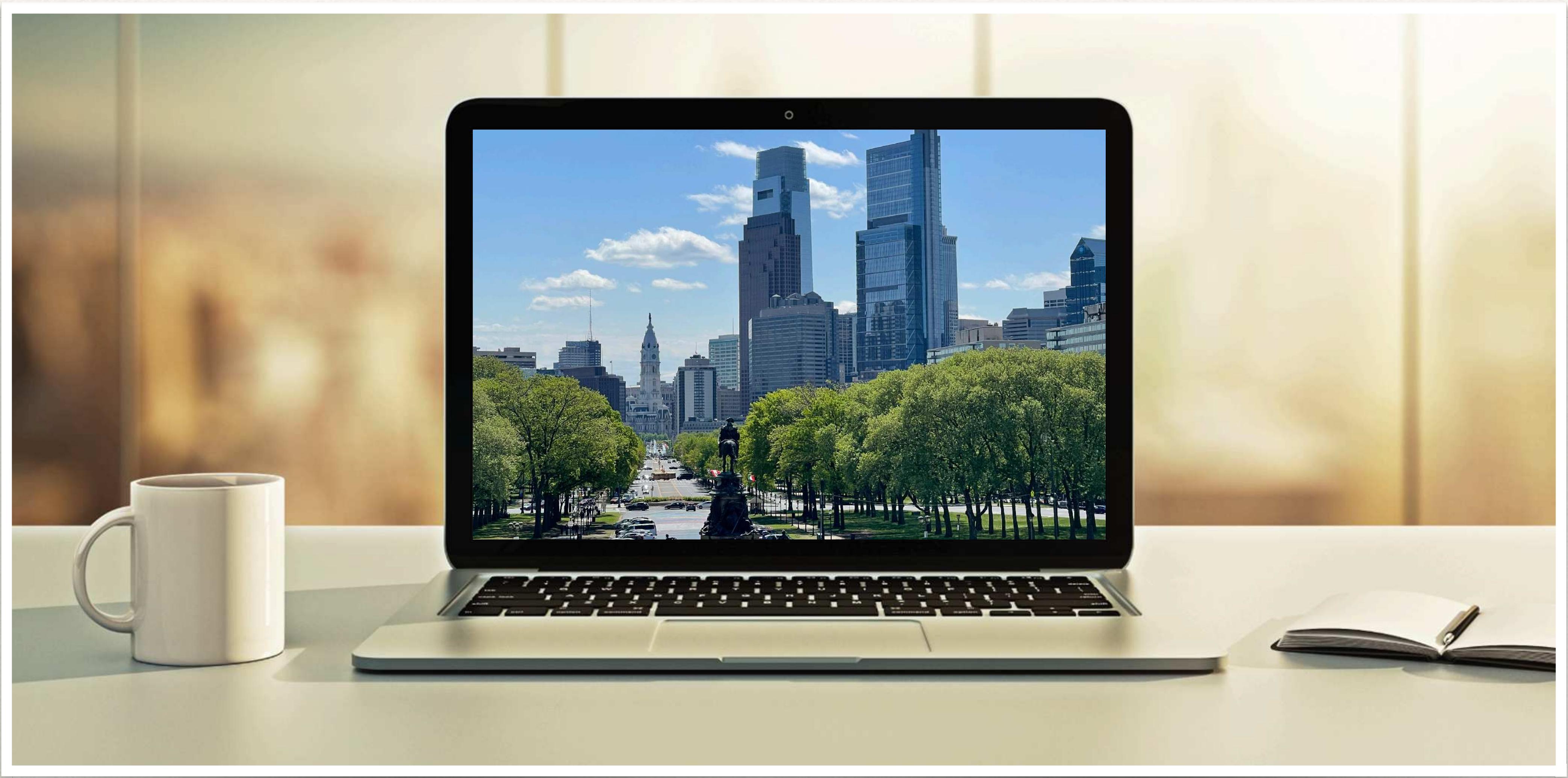


# JobSeekerSave: Many-to-One Mapping

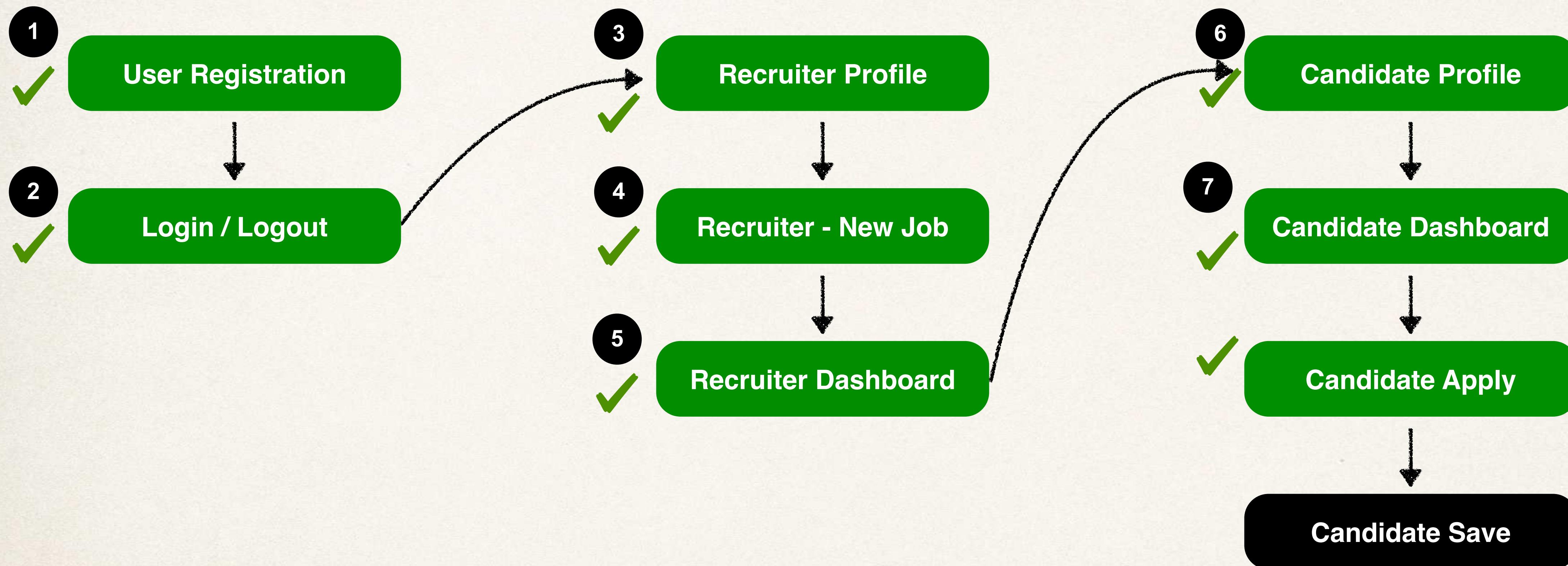
- A JobSeekerSave is mapped many-to-one



# Candidate Dashboard - Save Job



# Development Road Map



# Candidate Dashboard - Save Job

The screenshot shows a job listing for a "React Developer" position. The job is located in "Delhi, Delhi" at "ABC PVT LIMITED". It was posted on "2024-03-20 12:32:14.743". The salary is "700000" and the type is "Full-time". The job is "Remote-Only". The job description states: "We are looking for a great JavaScript developer who is proficient with React.js. Your primary focus will be on developing user interface components and implementing them following known React.js workflows (such as Flux or Redux). You will ensure that these components and the overall application are robust and easy to maintain. You will coordinate with the team working on different layers of the infrastructure. Therefore, a commitment to collaborative problem-solving, sophisticated design, and quality product is important." There are two buttons at the bottom: "Apply Now" (orange) and "Save Job" (dark blue).

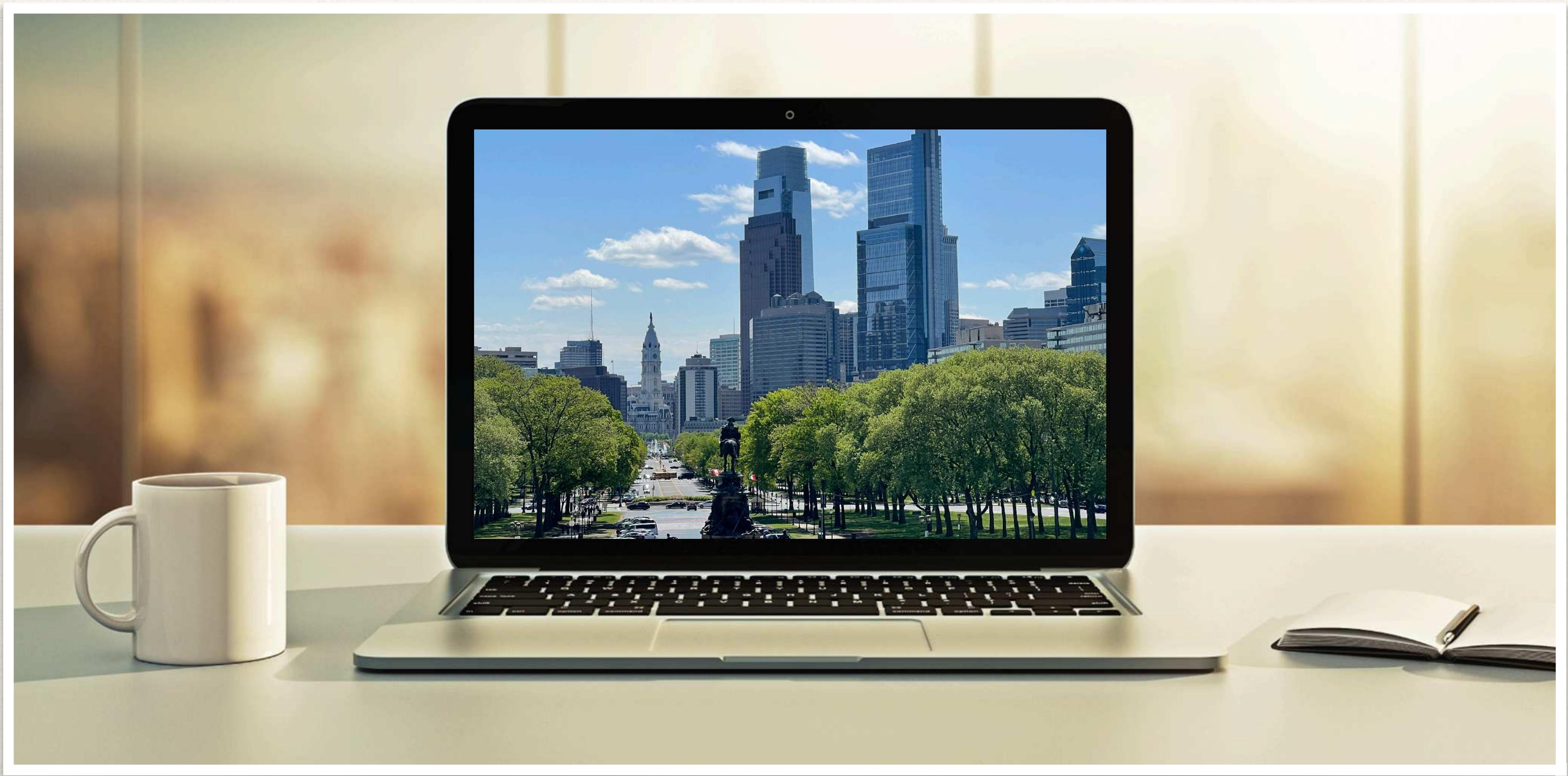
The screenshot shows the "Saved Jobs" section of the dashboard. It displays the previously saved "React Developer" job from the first screenshot. The job details are identical: "React Developer" in "Delhi, Delhi" at "ABC PVT LIMITED". A red dashed arrow points from the "Save Job" button on the left screen to the "Saved Jobs" section on the right screen.

# Development Process

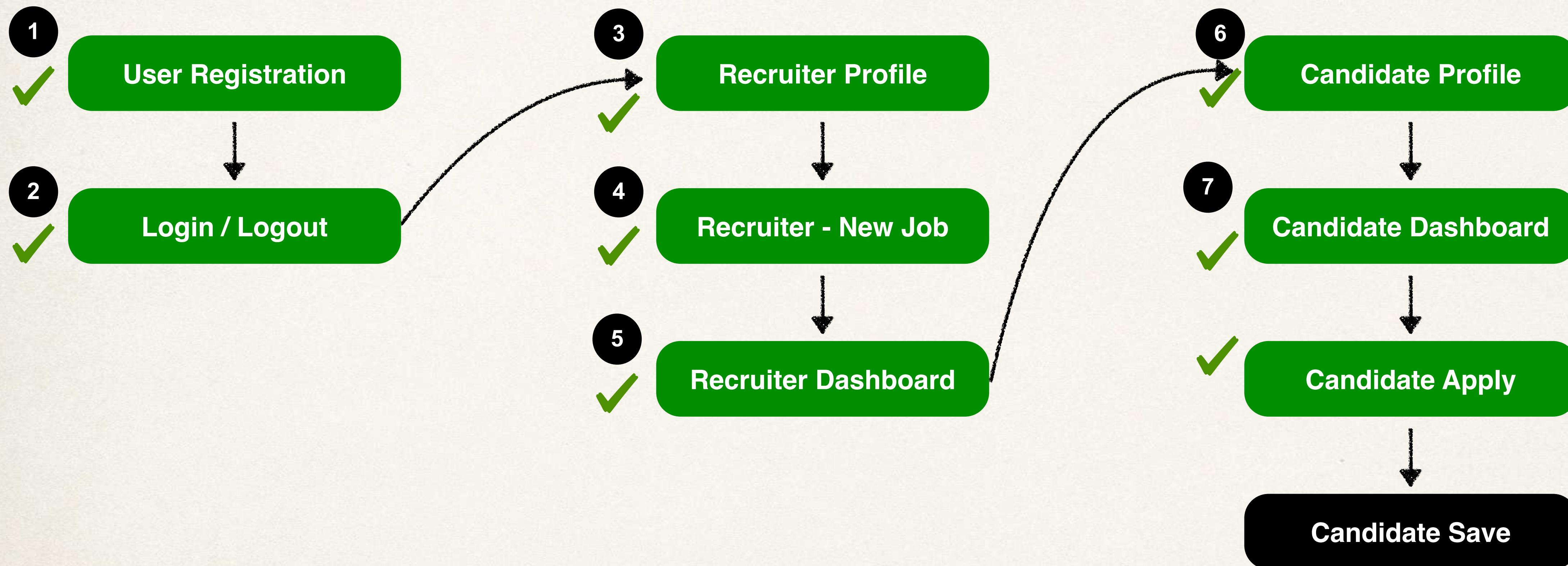
*Step-By-Step*

1. Create JobSeekerSave - controller and service
2. Add supporting Thymeleaf view page

# Candidate Dashboard - Save Job



# Development Road Map



# Candidate Dashboard - Save Job

The screenshot shows a job listing for a "React Developer" position. The job is located in "Delhi, Delhi" at "ABC PVT LIMITED". It was posted on "2024-03-20 12:32:14.743". The salary is "700000" and the type is "Full-time". The job is "Remote-Only". The job description states: "We are looking for a great JavaScript developer who is proficient with React.js. Your primary focus will be on developing user interface components and implementing them following known React.js workflows (such as Flux or Redux). You will ensure that these components and the overall application are robust and easy to maintain. You will coordinate with the team working on different layers of the infrastructure. Therefore, a commitment to collaborative problem-solving, sophisticated design, and quality product is important." There are two buttons at the bottom: "Apply Now" (orange) and "Save Job" (dark blue).

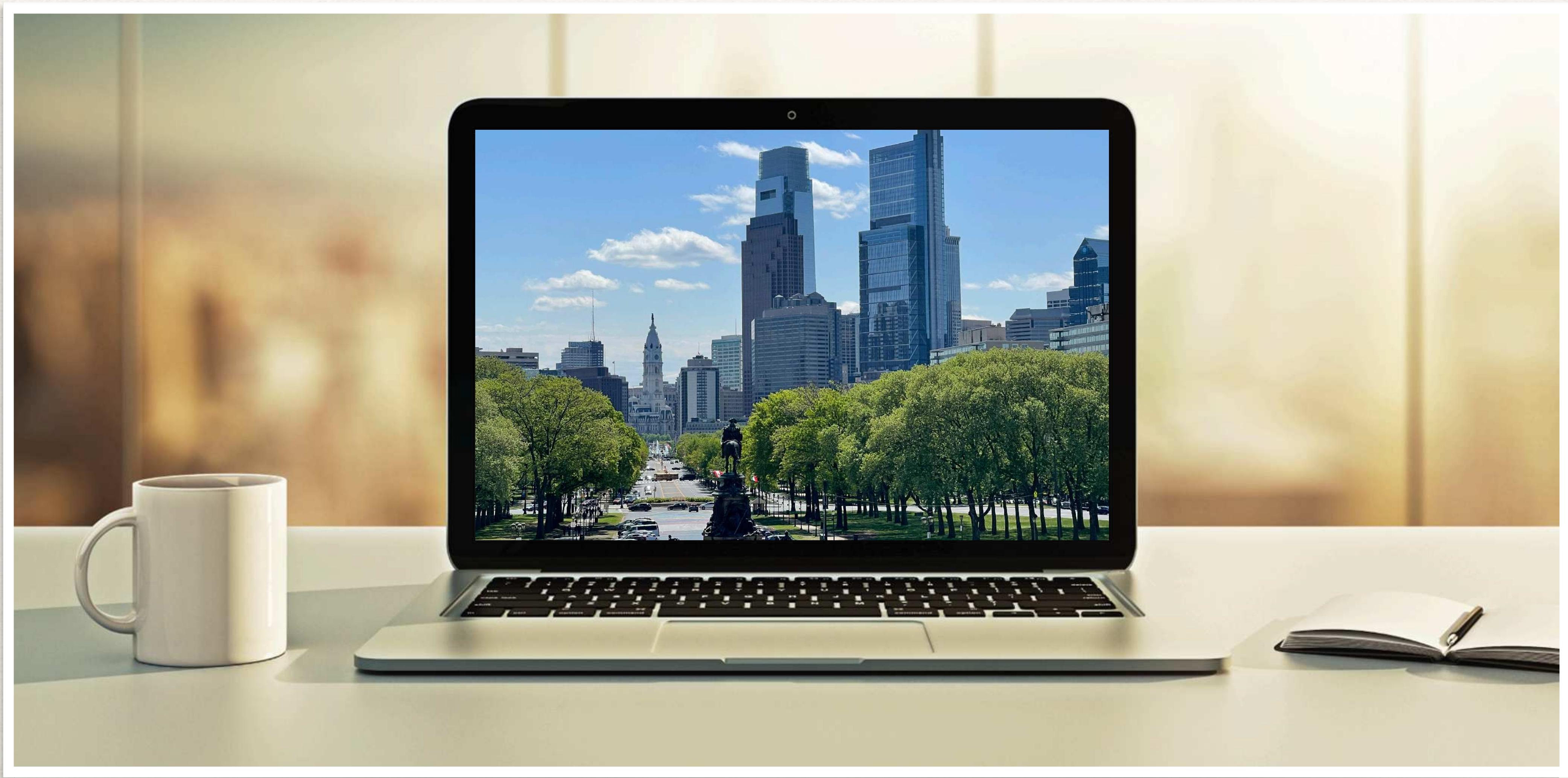
The screenshot shows the "Saved Jobs" section of the dashboard. It displays the "React Developer" job that was previously saved. The job details are identical to the ones shown in the first screenshot: "React Developer", "Delhi, Delhi", "ABC PVT LIMITED". A red dashed arrow points from the "Save Job" button on the left screen to the job entry on the right screen.

# Development Process

*Step-By-Step*

1. Create JobSeekerSave - controller and service
2. Add supporting Thymeleaf view page

# Recruiter - Download Candidate Résumé



# Development Road Map



# Recruiter - Download Candidate Resumé

The screenshot shows a job posting for a Java Developer. At the top, there are navigation links: 'Post New Job', 'View Your Jobs', 'Edit Account', a user profile icon labeled 'Recruiter ONE', and a 'Logout' button. Below the header, a link 'Back to Search Results' is visible. The main section is titled 'Job Details' and shows the job title 'Java Developer', location 'New York, New York', and company 'ABC Pvt Limited'. There are two circular icons below the title. The 'Job Specs' section includes details like 'Date Posted: 2024-03-30 12:29:40.009', 'Salary: 800000', 'Type: Part-time', and 'Remote: Office-Only'. The 'Job Description' section contains a paragraph about the responsibilities of a Java developer, mentioning client-end services and their counterparts. At the bottom, there are two buttons: 'Edit Job' (orange) and 'Delete Job' (dark blue). A callout box with a red border highlights a link 'Candidates Applied for Job Seeker, One'.

1. Log in as recruiter
2. View the job details
3. See list of candidates that have applied for a job
4. Download a candidate's resumé

# Development Process

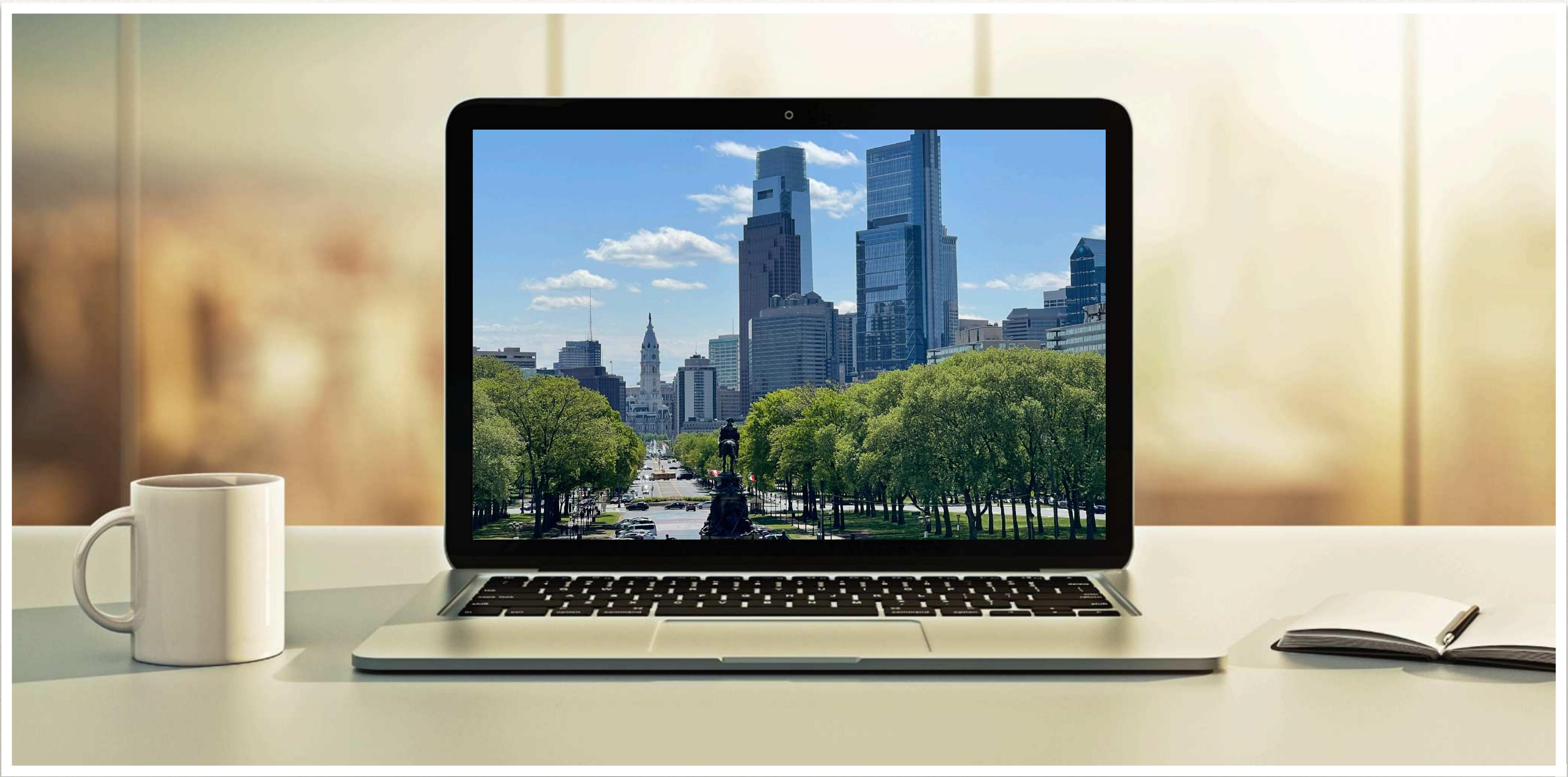
*Step-By-Step*

## 1. Update JobSeekerProfileController

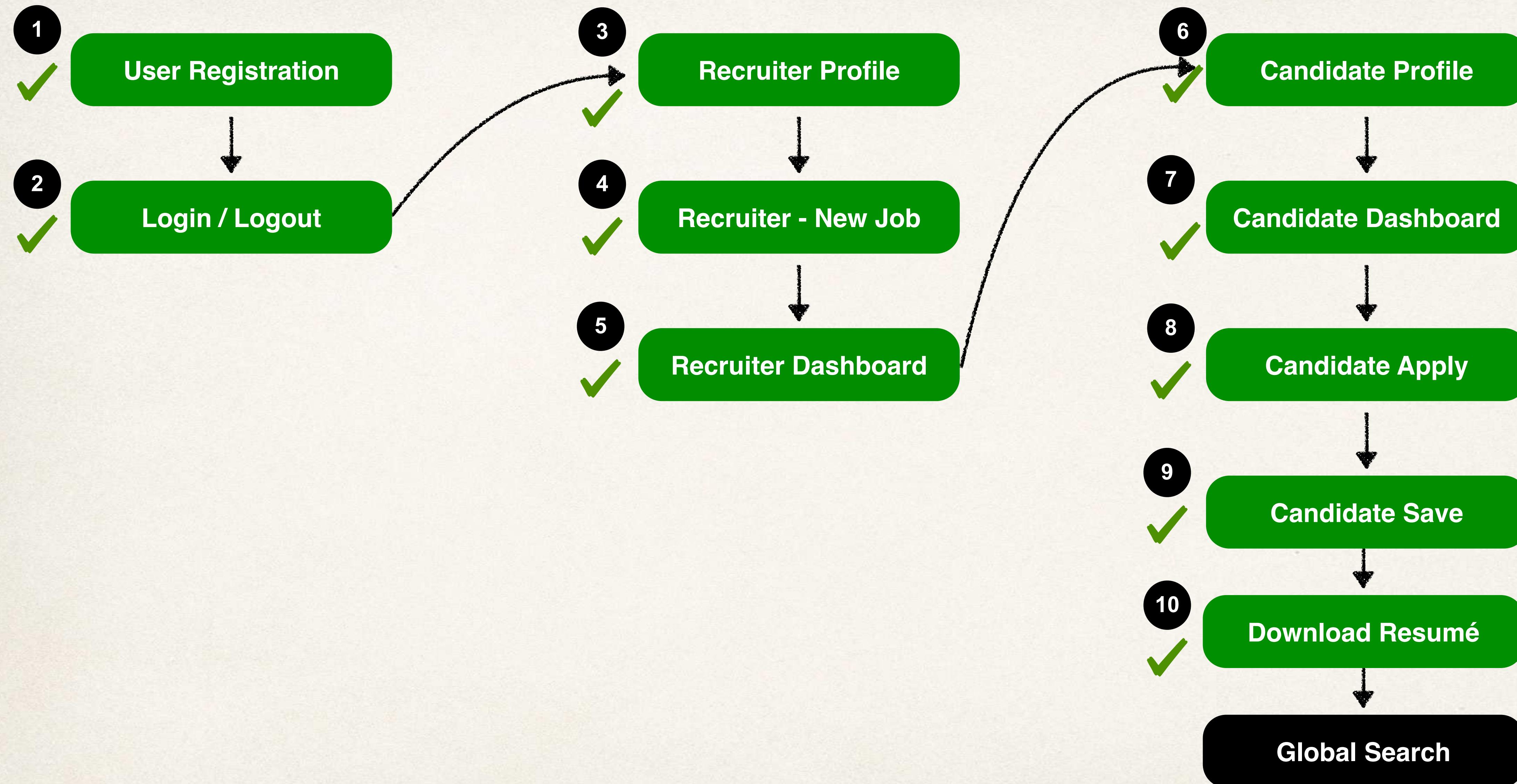
1. Add mappings to edit profile and download resumé

## 2. Create FileDownloadUtil class

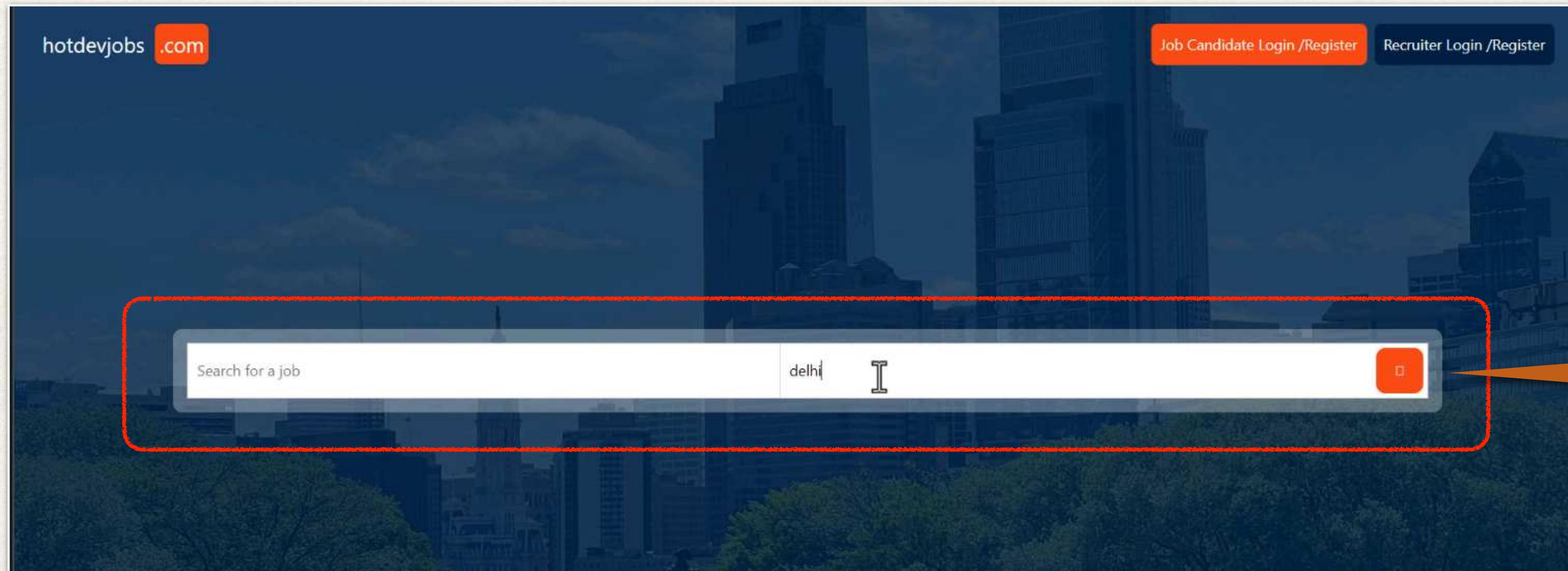
# Global Search



# Development Road Map



# Global Search

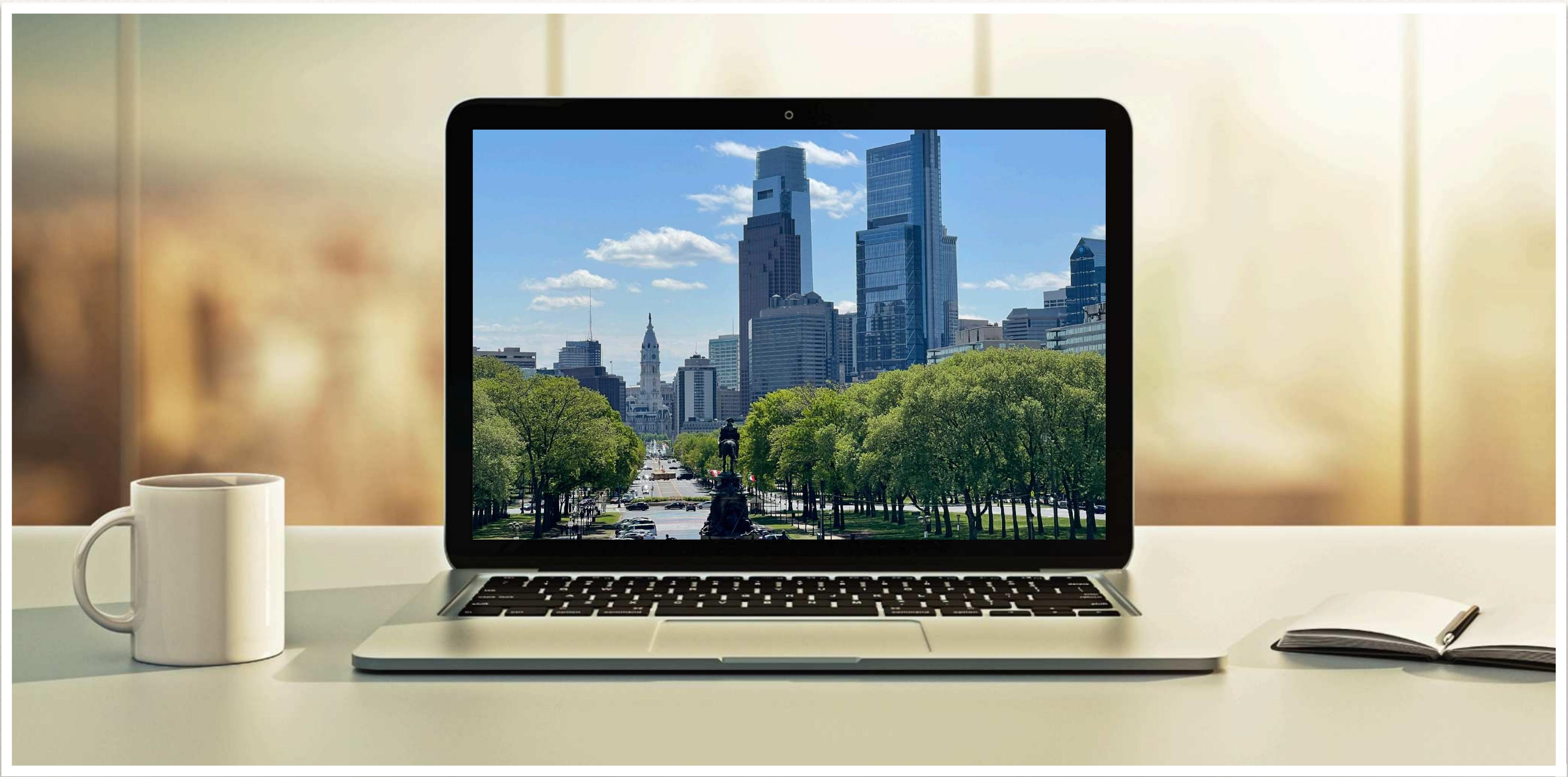


# Development Process

*Step-By-Step*

1. Update JobPostActivityController
2. Add supporting Thymeleaf view page

# Course Summary



# Spring Boot Job Portal Project

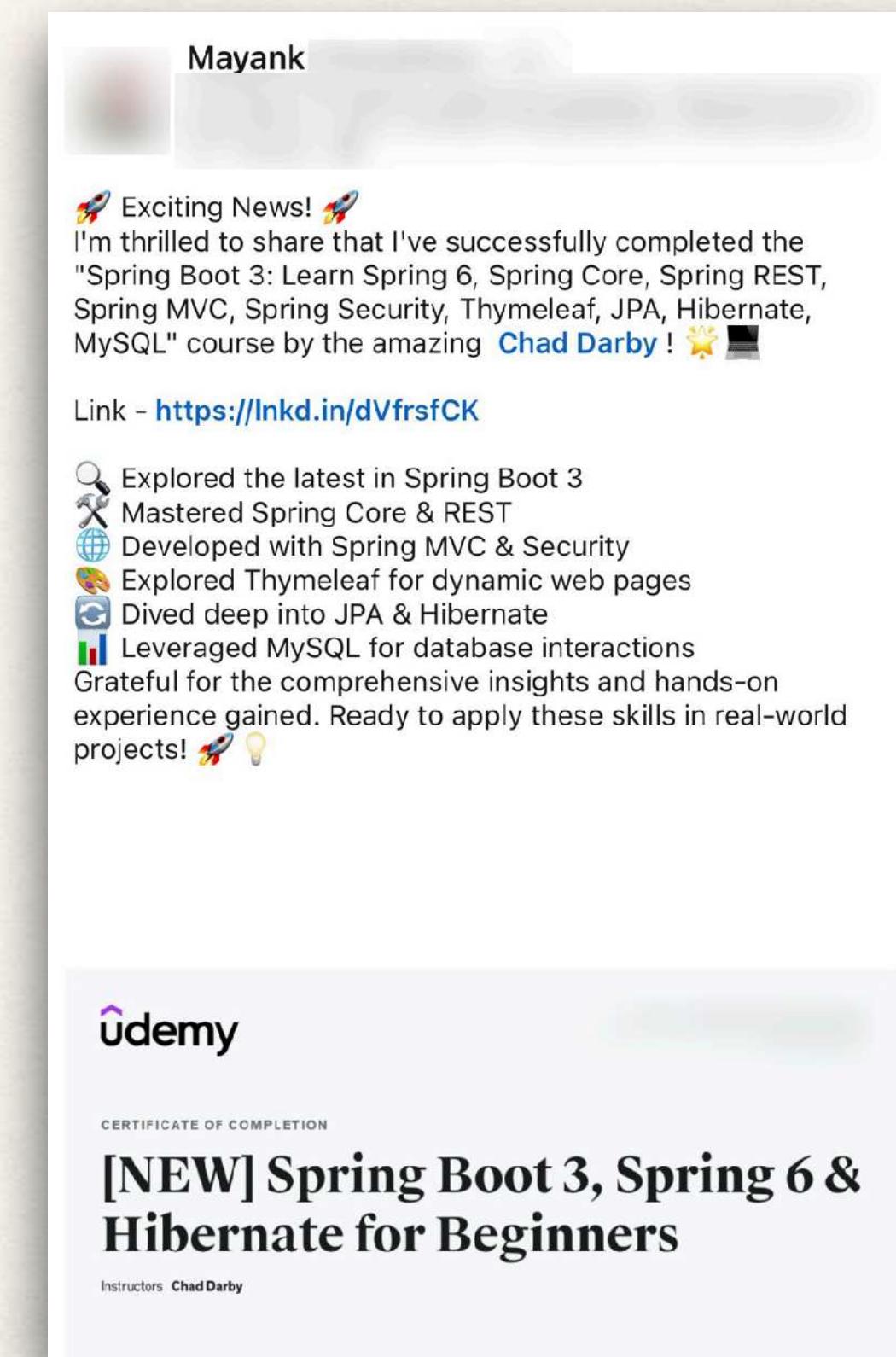
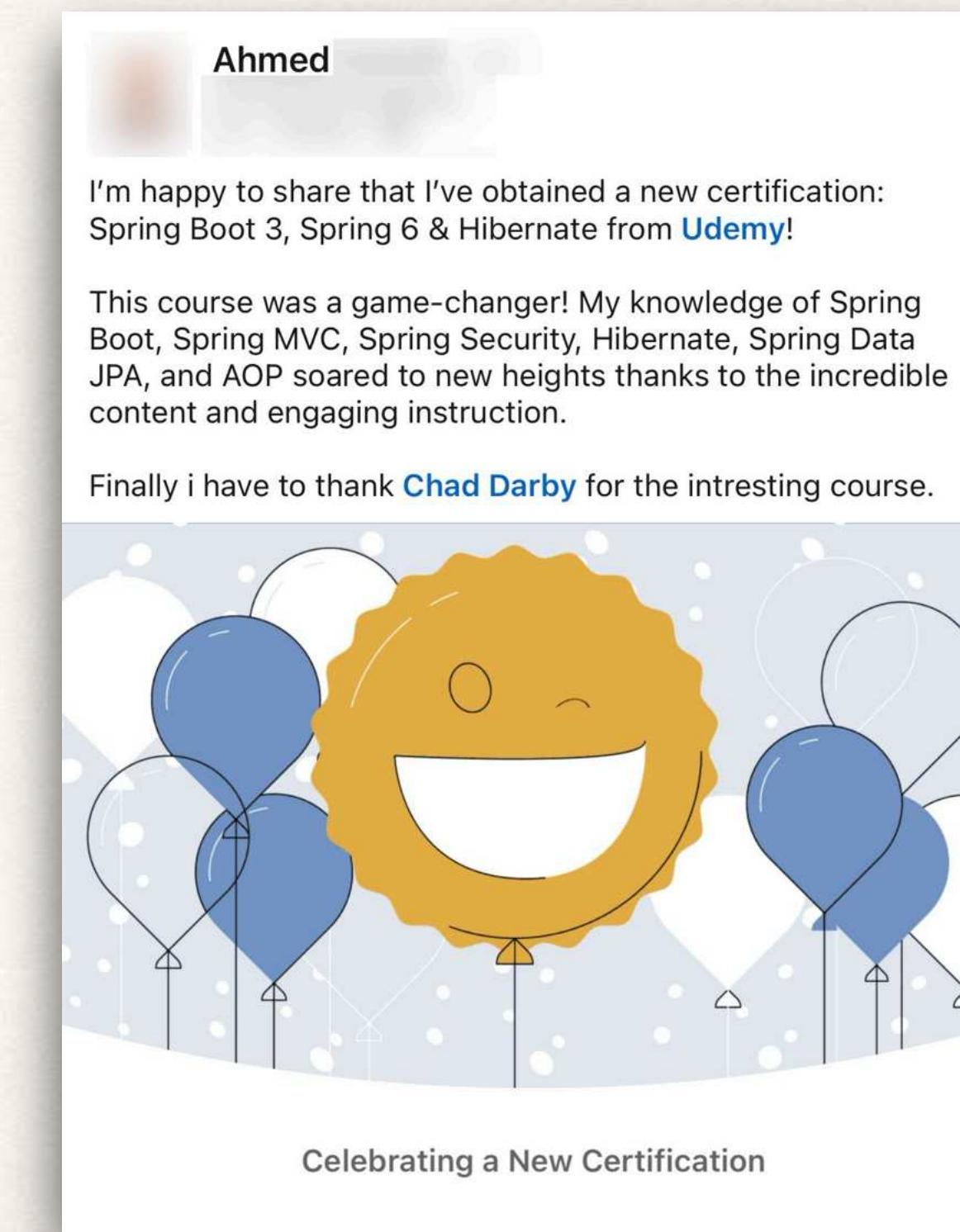
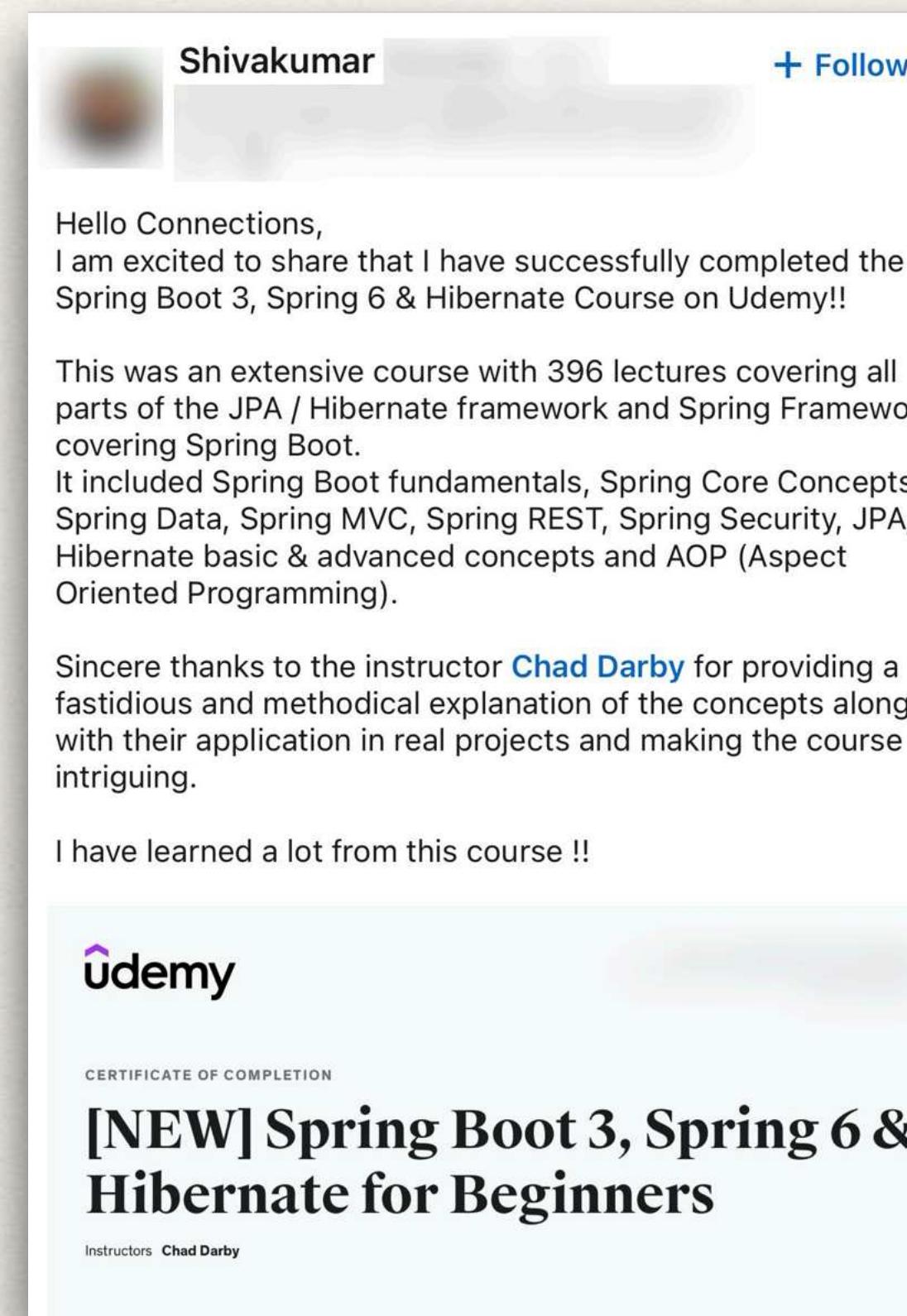
- Recruiters can create new job posts
- Job candidates can search for new jobs and apply

A screenshot of the "Post New Job" form on the hotdevjobs.com website. The form includes fields for Job Title, Employment Type, Salary, Description (with rich text editor), Location, Company, and a Save button.

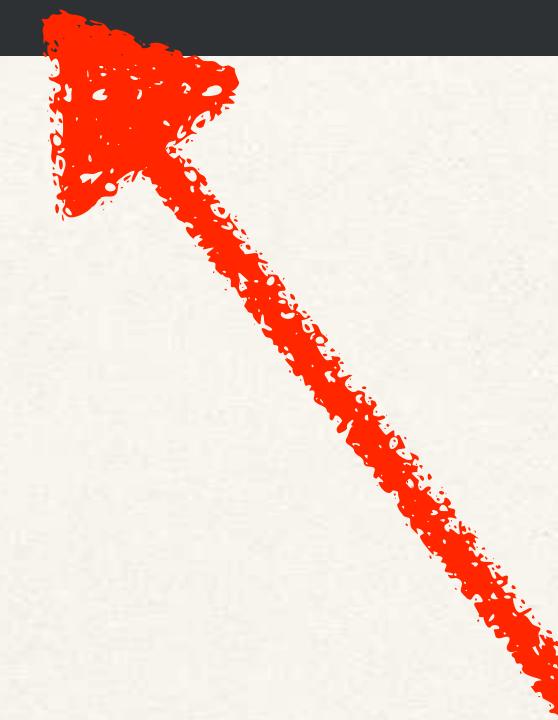
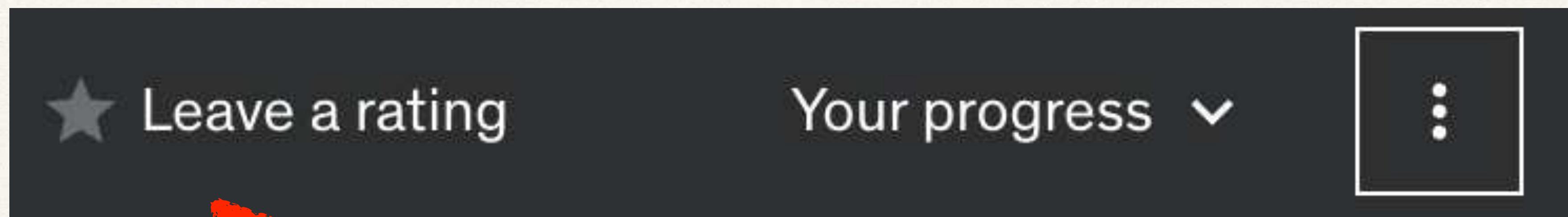
A screenshot of the Candidate Dashboard on the hotdevjobs.com website. It shows a sidebar with filters for Employment Type (Part-Time, Full-Time, Freelance), Remote (Remote-Only, Office-Only, Partial-Remote), and Date Posted (Today, Last 7 Days, Last 30 Days). The main area displays search results for "Java Developer" (Applied) in New York, New York, and "Spring Boot Developer" (Applied) in Los Angeles, California, both from ABC Limited.

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