

Job Application Portal - Project Report

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Abstract

This document provides an overview of the Job Application Portal project. It outlines the project's objectives, features, technologies used, database structure, instructions for setup-usage and user interfaces.

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1 Introduction

The purpose of this project is to develop a web-based Job Application Portal that connects job seekers with employers. The portal allows users to apply for jobs, create job listings, and manage their profiles. The system has been designed to be simple, user-friendly, and efficient.

1.1 Project Goals

The main goal of this project is to facilitate job searching and application processes for users. Employers can post job listings, while job seekers can search for jobs, view detailed descriptions, and submit applications.

1.2 Scope

The project covers the development of the following features:

- User Registration and Login
- Job Search and Filters (for Job Seekers)
- Job Listing Creation (for Employers)
- Job Application Management
- User Profile Management (for both Job Seekers and Employers)
- Admin Dashboard and Management

1.3 Target Audience

The system is intended for job seekers, employers, and administrators. Job seekers can browse job listings and apply to their desired positions, while employers can post job advertisements and manage applications. Administrators can manage job seekers and employers.

2 Technologies Used

The following technologies were used in the development of this project:

- **Frontend:** HTML, CSS, JavaScript, jQuery
- **Backend:** PHP
- **Database:** MySQL
- **Server:** MAMP

3 System Requirements

- XAMPP or MAMP installed
- PHP version 7.0 or higher
- MySQL database setup

4 Project Features

4.1 User Registration and Login (Common for All Users)

Users can register an account by providing basic information such as name, email, and password. After registration, they can log in to access the relevant features based on their roles (Job Seeker, Employer, or Admin).

4.2 Password Reset (Common for All Users)

Users can reset their password in case they forget it by providing their email address. An email with a password reset link is sent to the user.

4.3 Job Seeker Features

4.3.1 Search Jobs

Job seekers can search for jobs using various filters such as job title, job type, location etc.

4.3.2 Job Seeker Dashboard

After logging in, job seekers are redirected to their dashboard, where they can view applied jobs, search jobs, and manage their profile.

4.3.3 View Applications

Job seekers can view the jobs that they applied before.

4.3.4 Profile Management

Job seekers can manage and update their profile information.

4.4 Employer Features

4.4.1 Employer Dashboard

Employers can access their dashboard after logging in, where they can manage posted jobs, view applicants, and update their profile.

4.4.2 Posting a Job

Employers can post new job listings by filling out job details such as title, description, salary, and location etc.

4.4.3 Manage Jobs

Employers can view, edit, or delete their posted job listings from manage jobs page.

4.4.4 View Applicants

Employers can view job applications submitted for their job listings.

4.4.5 Profile Management

Employers can manage and update their profile information.

4.5 Admin Features

4.5.1 Admin Dashboard

Administrators have access to a dashboard where they can manage both job seekers and employers and view system statistics.

4.5.2 Manage Job Seekers

Admins can view job seekers information. They can also edit their profile information.

4.5.3 Manage Employers

Admins can view employers information. They can also edit their profile information.

5 Database Structure

The database for this project consists of the following tables:

- **users:** Stores job listings (user_id, username, password, email, role, first_name, last_name, gender, date_of_birth, phone_number, country, city).
- **applications:** Stores job applications (application_id, job_id, username, application_date).
- **jobs:** Stores user profile details (job_id, title, employer_name, location, job_type, description, salary_range, application_deadline, posted_date, industry, benefits).

6 Setup Instructions

6.1 Installation

To set up the project on your local machine, follow these steps:

1. Install XAMPP or MAMP and start the Apache and MySQL services.
2. Create a new database named `group1`.
3. Import the `group1.sql` file into the database via PhpMyAdmin.
4. Place the project files in the `htdocs` directory (for XAMPP) or the appropriate folder for MAMP.
5. Update the `config.php` file with the correct database connection details.

6.2 Usage

Once the setup is complete, you can access the portal by opening `localhost` in your web browser. The following features are available:

- User Registration and Login
- Search and Apply for Jobs (Job Seekers)
- Create and Manage Job Listings (Employers)
- Admin Dashboard for Managing Users

7 External Interface Requirements

7.1 User Interfaces

The system provides various user interfaces designed for different user types, including Job Seekers, Employers, and Admin. Below are some of the key user interfaces:

7.1.1 Login Page

The login page allows users to securely log in to their accounts using their credentials.

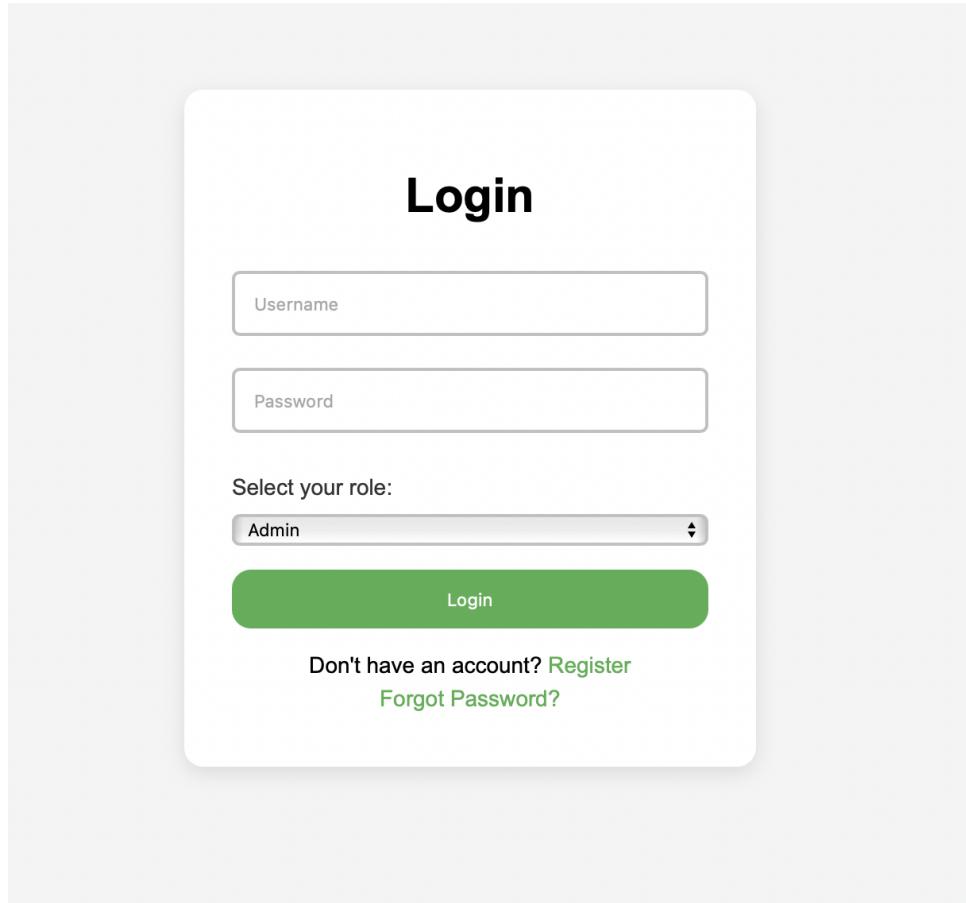
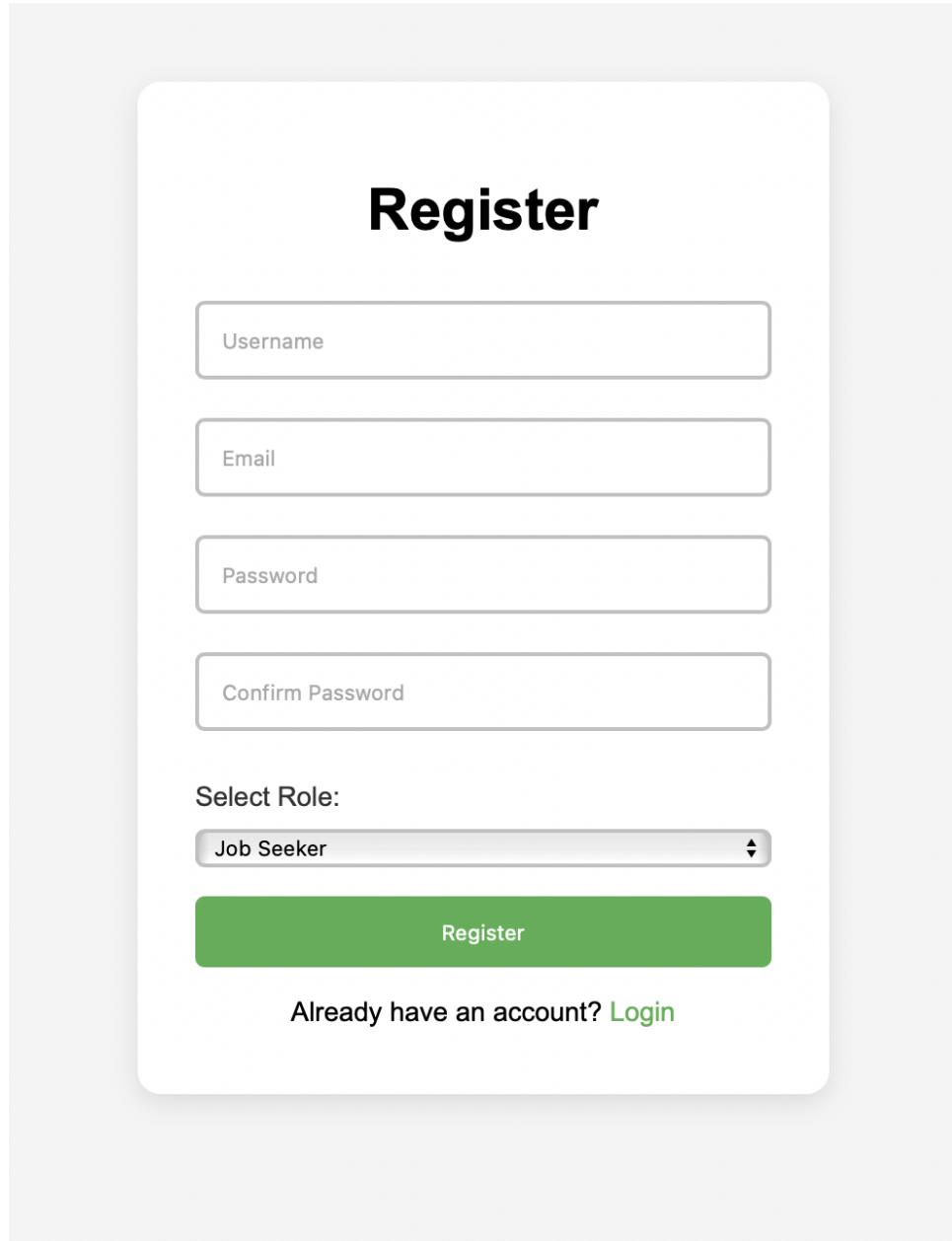


Figure 1: Login Page

7.1.2 Registration Page

Job Seekers and Employers can create an account by providing necessary details.



The screenshot shows the registration page of a job application portal. The page has a light gray background with a white rounded rectangular form in the center. At the top of the form, the word "Register" is displayed in a large, bold, black font. Below this, there are four input fields, each with a thin gray border: "Username", "Email", "Password", and "Confirm Password". After the password fields, there is a section titled "Select Role:" with a dropdown menu showing "Job Seeker". Below the dropdown is a large green button with the word "Register" in white. At the bottom of the form, there is a link in green text that says "Already have an account? [Login](#)".

Figure 2: Registration Page

7.1.3 Reset Password Page

Users can reset their passwords via their emails.

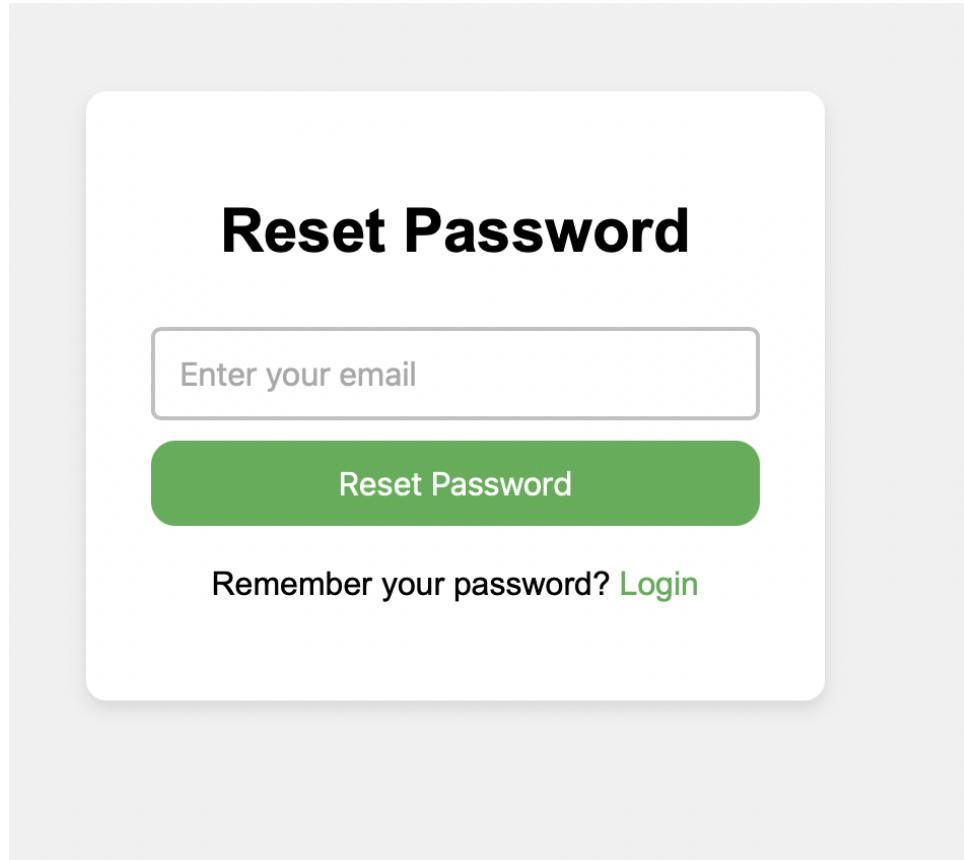


Figure 3: Reset Password Page

7.1.4 Job Seeker Dashboard

Job Seekers can view their job applications, search for new jobs and edit their profiles.

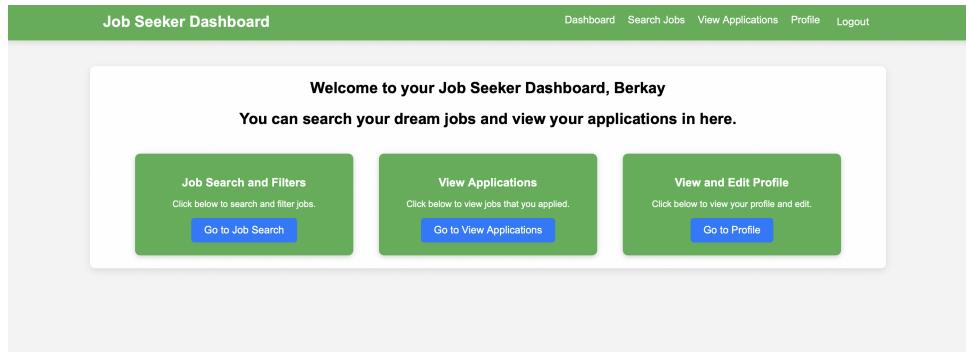


Figure 4: Job Seeker Dashboard Page

7.1.5 Search Jobs

Job seekers can search for jobs using various filters such as job title, job type, location etc. Then, they can apply if they are interested with job.

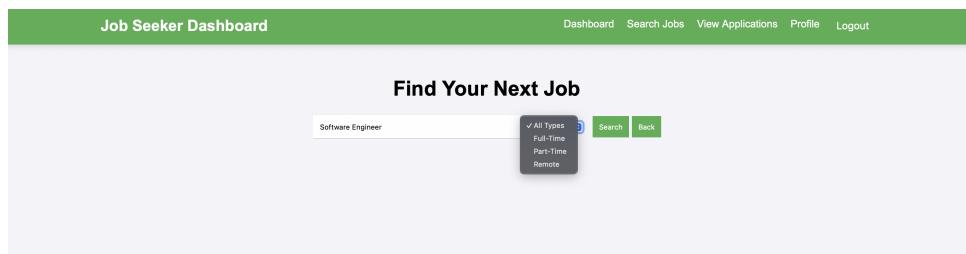


Figure 5: Search Job Page1

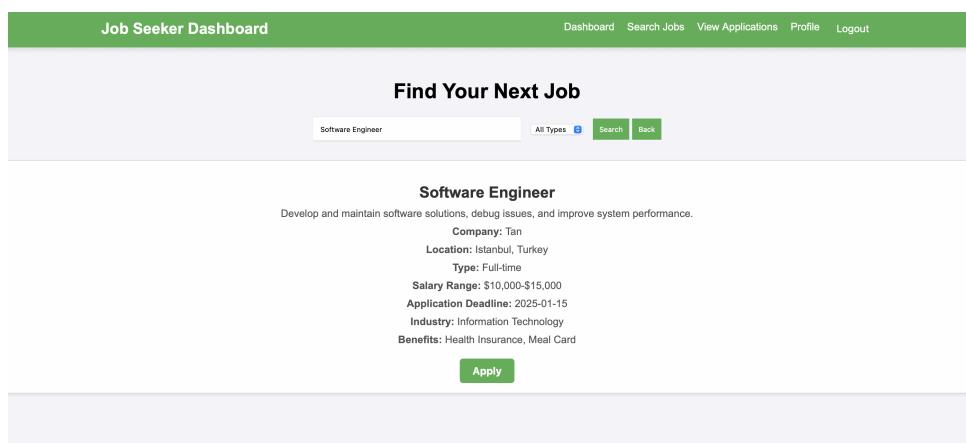


Figure 6: Search Job Page2

7.1.6 View Applications

Job Seekers can view their job applications.

The screenshot shows the 'Job Seeker Dashboard' with a green header bar containing links for 'Dashboard', 'Search Jobs', 'View Applications', 'Profile', and 'Logout'. Below the header is a white box titled 'My Applications'. Inside this box is a table with one row of data:

Title	Employer Name	Location	Job Type	Salary Range	Application Deadline
Customer Support Specialist	Hakan	Paris, France	Remote	1,800 - 2,000 EUR/Month	2025-01-18

Figure 7: View Applications Page

7.1.7 Job Seeker Profile

Job Seekers can view their profile information. They can edit their profile information.

The screenshot shows the 'Job Seeker Profile' section of the dashboard. It contains fields for personal information: First Name (Berkay), Last Name (Alkan), Gender (Male), Date of Birth (20.01.2001), Phone Number (1), Country (Turkey), and City (Istanbul). At the bottom is a blue 'Update Profile' button.

Figure 8: Job Seeker Profile Page

7.1.8 Employer Dashboard

Employers can post new job openings, manage their jobs, view applicants and view their profile information.

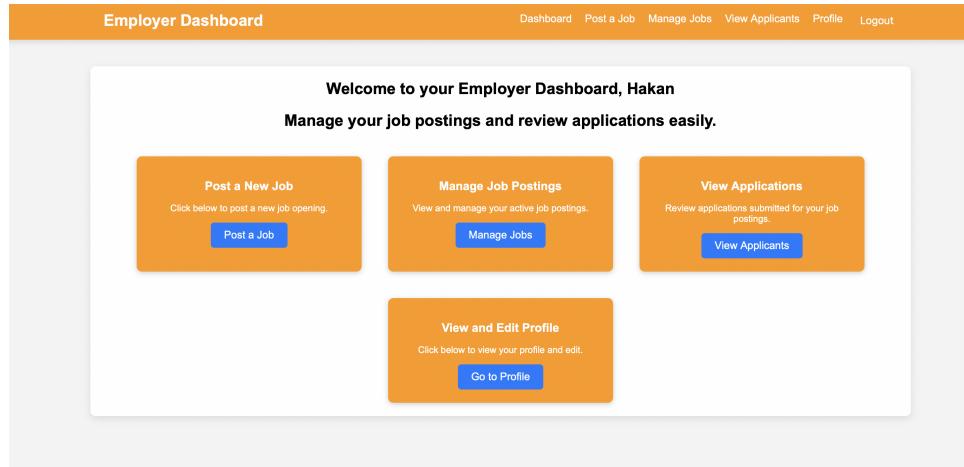


Figure 9: Employer Dashboard

7.1.9 Posting Job

Employers can post new job listings by filling out job details with employer name, job title, job description, salary range, industry, location, job type, benefits and application deadline.

The screenshot shows the 'Post a Job' form. At the top, it says 'Post a Job'. The form contains several input fields: 'Employer Name' (text input), 'Job Title' (text input), 'Job Description' (text area), 'Salary Range' (text input with example 'e.g., \$50,000 - \$60,000'), 'Industry' (text input with example 'e.g., IT, Healthcare'), 'Location' (text input with example 'Enter job location'), 'Job Type' (dropdown menu with placeholder 'Select job type'), 'Benefits (optional)' (text area with example 'e.g., Health Insurance, Remote Work'), and 'Application Deadline' (text input with placeholder 'gg . aa . yyyy'). At the bottom right of the form is a blue 'Post Job' button.

Figure 10: Posting Job

7.1.10 Manage Job

Employers can view their jobs. They can edit or delete them.

The screenshot shows the 'Employer Dashboard' with a navigation bar at the top. Below it is a section titled 'Manage Your Jobs' containing two job entries:

- Graphic Designer**
Location: London, United Kingdom
Job Type: Full-time
Description: Design graphics for digital and print media based on client requirements.
Salary Range: 1,000 - 2,500 GBP/Project
Application Deadline: 2025-02-20
Industry: Design
Benefits: Flexible Working Hours
[Edit](#) | [Delete](#)
- Project Manager**
Location: Dubai, United Arab Emirates
Job Type: Full-time
Description: Plan, execute, and deliver projects while managing teams and timelines.
Salary Range: 15,000 - 20,000 AED/Month
Application Deadline: 2025-03-20
Industry: Construction

Figure 11: Manage Job(View)

The screenshot shows the 'Edit Job' form for a 'Customer Support Specialist'. It includes fields for Job Title, Location, Job Type, and Job Description, each with a corresponding input field or dropdown menu.

Customer Support Specialist

Location: Paris, France
Job Type: Remote
Description: Resolve customer issues via chat, email, or phone, ensuring satisfaction.
Salary Range: 1,800 - 2,000 EUR/Month
Application Deadline: 2025-01-18
Industry: Customer Services
Benefits: Meal Card, Vacation Support
[Edit](#) | [Delete](#)

Edit Job

Job Title:
Customer Support Specialist

Location:
Paris, France

Job Type:
Remote

Job Description:
Resolve customer issues via chat, email, or phone, ensuring satisfaction.

Figure 12: Manage Job(Edit1)

Job Title:
Customer Support Specialist

Location:
Paris, France

Job Type:

Job Description:
Resolve customer issues via chat, email, or phone, ensuring satisfaction.

Salary Range:
1,800 - 2,000 EUR/Month

Application Deadline:
18.01.2025

Industry:
Customer Services

Benefits:
Meal Card, Vacation Support

Update Job

Figure 13: Manage Job(Edit2)

7.1.11 View Applicants

Employers can view Job Seekers they applied for jobs.

Employer Dashboard

Dashboard Post a Job Manage Jobs View Applicants Profile Logout

View Applications

Job Title	Applicant Username	Application Date
Customer Support Specialist	Berkay	2024-12-28 16:23:32

Figure 14: View Applicants

7.1.12 Employer Profile

Employers can view their profile information. They can view their profile information.

The screenshot shows the 'Employer Dashboard' with a top navigation bar containing links for Dashboard, Post a Job, Manage Jobs, View Applicants, Profile, and Logout. The main content area is titled 'Employer Profile' and contains fields for First Name (Hakan), Last Name (Alkan), Gender (Male), Date of Birth (28.12.2000), Phone Number (2), Country (Turkey), and City (Antalya). A blue 'Update Profile' button is at the bottom.

Figure 15: Employer Profile

7.1.13 Admin Dashboard

The admin dashboard allows administrators to manage job seekers and employers. Also they can view system statistics.

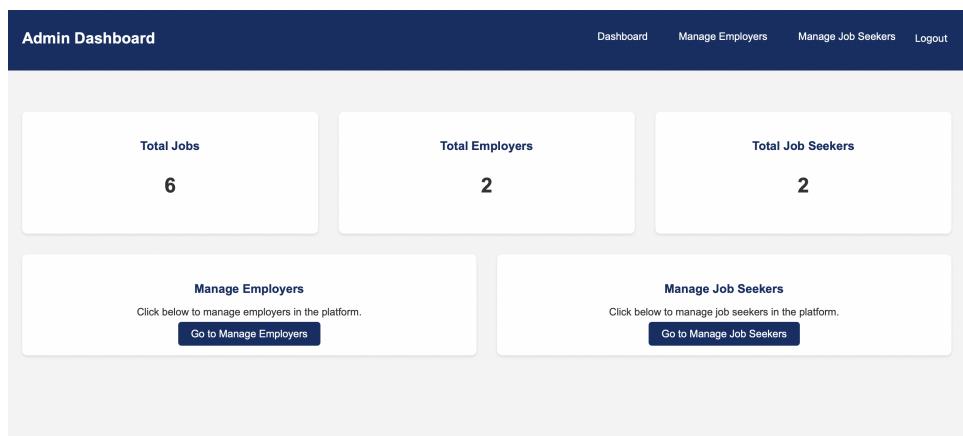


Figure 16: Admin Dashboard

7.1.14 Manage Employers

Admins can view employers information. They can also edit their profile information.

The screenshot shows the Admin Dashboard with a dark blue header bar containing the title "Admin Dashboard" and navigation links for "Dashboard", "Manage Employers", "Manage Job Seekers", and "Logout". Below the header is a section titled "Manage Employers" which displays two employer profiles in cards:

- Hakan Alkan**
Username: Hakan
Email: hakan@gmail.com
Gender: male
Date of Birth: 2000-12-28
Phone Number: 2
Country: Turkey
City: Antalya
Edit | Delete
- Tan Ala**
Username: Tan
Email: tan@gmail.com
Gender: Male
Date of Birth: 2001-07-14

Figure 17: Admin (View Employer)

The screenshot shows the Admin Dashboard with a dark blue header bar containing the title "Admin Dashboard" and navigation links for "Dashboard", "Manage Employers", "Manage Job Seekers", and "Logout". Below the header is a section titled "Edit Employer Information" for the employer "Tan Ala". The form fields are as follows:

- Email: tan@gmail.com
- First Name: Tan
- Last Name: Ala
- Gender: (not explicitly shown in the screenshot)

Figure 18: Admin (Edit Employer1)

The screenshot shows a form titled "Edit Employer2". It contains the following fields:

- First Name: Tan
- Last Name: Ala
- Gender: Male
- Date of Birth: 14.07.2001
- Phone Number: 3
- Country: Turkey
- City: Ankara

At the bottom right of the form is a blue "Update Information" button.

Figure 19: Admin (Edit Employer2)

7.1.15 Manage Job Seekers

Admins can view job seekers information. They can also edit their profile information.

The screenshot shows the Admin Dashboard with the "Manage Job Seekers" section. It displays two profiles:

- Berkay Alkan**
Username: Berkay
Email: berkay@gmail.com
Gender: male
Date of Birth: 2001-01-20
Phone Number: 1
Country: Turkey
City: İstanbul
Buttons: Edit (blue), Delete (red)
- Naz Diler**
Username: Naz
Email: naz@gmail.com
Gender: Female
Date of Birth: 2001-01-22

Figure 20: Admin (View Job Seeker)

The screenshot shows two stacked cards. The top card displays a user profile for 'Naz Diler' with the following details:
Username: Naz
Email: naz@gmail.com
Gender: Female
Date of Birth: 2001-01-22
Phone Number: 4
Country: France
City: Paris
At the bottom of this card are two buttons: a blue 'Edit' button and a red 'Delete' button.
The bottom card is titled 'Edit Job Seeker Information' and contains fields for:
Email: naz@gmail.com
First Name: Naz
Last Name: Diler
Gender: Female

Figure 21: Admin (Edit Job Seeker1)

This screenshot shows a detailed edit form for a job seeker. The fields are:
Email: naz@gmail.com
First Name: Naz
Last Name: Diler
Gender: Female
Date of Birth: 22.01.2001
Phone Number: 4
Country: France
City: Paris
At the bottom of the form is a blue 'Update Information' button.

Figure 22: Admin (Edit Job Seeker2)

8 Conclusions

The Job Application Portal project successfully achieved its primary objective of creating a user-friendly platform that connects job seekers with employers. Through the implementation of various features such as user registration, job posting, application management, and administrative controls, the system provides a comprehensive solution for online job recruitment.

The project demonstrates the successful application of web development technologies and database management principles to create a practical solution for the job market. Future enhancements could include features such as advanced search algorithms, integration with social media platforms, and implementation of a messaging system between employers and job seekers.