

**WebTech Final Project**

**RECRUITMENT WEB APP.**

**Jerry Kennedy**

**23594**

The Recruitment Web App is designed to streamline the job posting and application process. It consists of three main components: the Admin Panel, Job Posting, and User Application.

1. Admin Panel:

The Admin Panel is the backbone of the system, allowing administrators to manage job postings, review applications, and communicate with applicants.

Key Features:

Login: Secure login for admin access.

Dashboard: Overview of job postings, pending applications, and system notifications.

Job Posting Management: Ability to add, edit, and delete job postings.

Application Review: View and manage incoming applications.

Email Communication: Send approval/denial emails to applicants.

2. Job Posting:

This module allows admins to post new job opportunities, including essential details such as job title, description, requirements, and application deadline.

Key Features:

Create Job Postings: Input job details, including title, description, requirements, and deadline.

Set Application Deadline: Specify the deadline for applications.

Automatic Deadline Handling: Disable applications after the deadline.

3. User Application:

Users can view job listings, submit applications, and receive status updates.

Key Features:

View Job Listings: Browse available job opportunities.

Apply for Jobs: Submit applications before the deadline.

Status Updates: Receive email notifications on application status (approved/denied).

Technical Documentation:

1. Database Schema:

The database will consist of tables such as:

Admins: Store admin credentials.

Jobs: Information about each job posting.

Applications: User submissions with status and timestamps.

2. APIs:

Job Posting API: Endpoints for creating, updating, and deleting job postings.

Application API: Endpoints for submitting and managing applications.

Authentication API: Handles login/logout functionality.

3. Workflow:

Admin logs in to the system.

Admin creates a new job posting with details.

Users view job listings, apply before the deadline.

Admin reviews applications, makes decisions.

Users receive email notifications about their application status.

Project Plan:

Phase 1 - Planning (2 weeks):

Define Requirements: List all features and functionalities.

Create Wireframes: Sketch the user interface.

Define Database Schema: Design tables and relationships.

Phase 2 - Development (8 weeks):

Implement Backend: Set up server, database, and APIs.

Develop Frontend: Create user interfaces for admins and users.

Integrate Email Services: Implement email notifications.

Phase 3 - Testing (4 weeks):

Unit Testing: Test individual components.

Integration Testing: Ensure smooth interaction between modules.

User Testing: Gather feedback from potential users.

Phase 4 - Deployment (2 weeks):

Deploy to Server: Host the application on a server.

Configure Domain: Set up a custom domain.

Phase 5 - Maintenance (Ongoing):

Bug Fixes: Address any issues post-launch.

Updates and Enhancements: Implement user feedback and make improvements.

User Documentation:

1. How to Access the System:

Provide the URL and login instructions.

2. Admin Guide:

Instructions on posting jobs, reviewing applications, and sending emails.

3. User Guide:

Steps for browsing job listings, applying, and checking application status.

This is a high-level overview, and you would need to dive deeper into each section for more detailed information. If you have specific questions or need assistance with a particular aspect, feel free to ask!