Glassdoor Project

Project Overview

This project aims to develop a website similar to **Glassdoor**, where users can *explore job* opportunities, *company reviews*, *salaries*, and *interviews*. Our platform will enhance the standard Glassdoor features by introducing additional functionalities such as *job referrals*, *personalized*, automated job application *filling using the user's CV*, and a *comprehensive interview* process with audio and video features. The site will also include advanced *filtering* options, particularly for salary data.

Key Features

1. ## User Authentication & Profile Management

   - Secure user registration and login
   - User profiles with resume/CV upload
   - Dashboard for managing job applications, interviews, and notifications

2. ## Company & Job Listings

   - Company profiles with reviews, ratings, and salary information
   - Job listings with detailed descriptions and requirements
   - Advanced filtering options (e.g., salary, location, job type)

3. ## Referral & Recommendation System

   - Users can refer friends to jobs and companies

4. ## Automated Job Application Filling

   - Pre-fill job applications using information from the user's uploaded CV

5. Interview Process
   - Step-by-step interview tracking
   - Integration of audio and video features for virtual interviews
6. Salary Filter & Analysis
   - Detailed salary data with filtering options

Technology Stack

- Frontend: React.js, Tailwind CSS
- Backend: Node.js, Express.js
- Database: SQL (MySQL)
- Version Control: Git & GitHub
- Deployment: GitHub Pages and Vercel

Project Phases & Timeline

1. Phase 1: Entity-Relationship Diagram (ERD)

   - Duration: 1 week
   - Objective: Design the ERD to map out the relationships between different entities (e.g., users, jobs, companies, interviews).

2. Phase 2: Database Mapping & Schema Finalization

   - Duration: 1 week
   - Objective: Create the final database schema based on the ERD and set up the initial database structure.

3. Phase 3: Design Site

   - Duration: __
   - Objective: Design the user interface of the website. This includes color schemes, and layout for both desktop and mobile views.

4. Phase 3: Development & Coding

   - Duration: __
   - Objective: Implement the frontend and backend functionalities, integrating all features into a cohesive platform.

5. Phase 4: Testing

   - Duration: ___
   - Objective: Conduct thorough testing of the platform, including unit tests, integration tests, and user acceptance testing.

6. Phase 5: Deployment & Launch

   - Duration: __
   - Objective: Deploy the platform to a production environment and launch for user access.

User Stories

1. User Registration and Login

   - *As a new user,* I want to register an account using my email so that I can access all the features of the site.
   - *As a registered user,* I want to log in securely so that I can access my personalized dashboard.

2. Profile Management

   - *As a user,* I want to create and update my profile with personal and professional details, including uploading my CV, so that employers can view my qualifications.
   - *As a user,* I want to manage my saved jobs, applications, and interviews from my dashboard so that I can keep track of my job search progress.

3. Job Search and Filtering

- *As a user,* I want to search for jobs by title, company, location, and salary range so that I can find opportunities that match my preferences.
- *As a user,* I want to filter job listings by specific criteria, such as salary, job type, and industry, so that I can narrow down the options.

4. Company Reviews and Ratings

- *As a user,* I want to view company profiles with reviews, ratings, and salary information so that I can make informed decisions about potential employers.
- *As a user,* I want to contribute reviews and ratings for companies I have worked for so that I can share my experiences with others.

5. Job Referrals and Recommendations

- *As a user,* I want to refer my friends to job openings at companies I've worked for so that they can benefit from my recommendations.

6. Automated Job Application Filling

- *As a user,* I want to auto-fill job application forms using the information from my uploaded CV so that I can save time during the application process.

7. Interview Scheduling and Tracking

- *As a user,* I want to schedule interviews directly through the platform, including setting up video or audio calls, so that I can manage my interviews efficiently.
- *As a user,* I want to track the status of my interviews step-by-step so that I know where I stand in the hiring process.

8. ## Salary Insights and Filtering

   - *As a user,* I want to view detailed salary data for different roles and industries so that I can understand market trends and expectations.
   - *As a user,* I want to filter salaries by location, experience level, and industry so that I can compare compensation across different variables.

9. ## Notifications and Alerts

   - *As a user,* I want to receive notifications and alerts for job applications, interview updates, and new job postings so that I stay informed about my job search.

10. ## User Feedback and Support

   - *As a user,* I want to provide feedback on my experience using the platform so that the developers can improve the site.
   - *As a user,* I want to access customer support for any issues I encounter so that I can resolve problems quickly.

Team Roles

- **Project Manager:** Oversees the project timeline, coordinates between team members, and ensures the project stays on track.

- **Frontend Developer:** Responsible for designing and implementing the user interface using React and Tailwind CSS.

- **Backend Developer:** Develops the server-side logic, API endpoints, and handles database interactions using Node.js and Express.js.