



CAREER CONNECT DB

Job Portal & Applicant Analysis System

Introduction to the Project

The CareerConnectDB is a database-driven platform that facilitates job seekers in applying for jobs and enables employers to manage job postings. The system also provides analytical insights into job applications, hiring trends, and employer response times using SQL queries. This project aims to improve the efficiency of the job application process and provide data-driven hiring recommendations.

Project Modules

1. User Module :
 - a. Manages job seekers and employers, handling registration, login, and role-based access.
 - b. Entity: **Users** – UserID, Name, Email, Password, Role [Employer/Job Seeker]
 2. Job Management Module:
 - a. Allows employers to create, edit, and manage job listings.
 - b. Entity: **Jobs** – JobID, CompanyID, Title, Description, PostedDate, Status
 3. Application Module
 - a. Enables job seekers to apply for jobs and track application status
 - b. Entity: **Applications** – ApplicationID, UserID, JobID, AppliedDate, Status [Pending/Accepted/Rejected]
 4. Company Module
 - a. Stores company details and hiring patterns for analysis.
 - b. Entity: **Companies** – CompanyID, Name, Industry, ResponseTime, Location
 5. Hiring Metrics Module
 - a. Analyzes hiring trends and employer response times.
 - b. Entity: **HiringMetrics** – MetricID, JobID, ApplicationsReceived, AvgResponseTime, SuccessRate
 6. Notification Module
 - a. Manages job alerts and updates for users.
 - b. Entity: **Notifications** – NotificationID, UserID, Message, DateSent
 7. Interview Module
 - a. Schedules and tracks job interviews.
 - b. Entity: **Interviews** – InterviewID, ApplicationID, DateTime, Status
 8. Recruitment Process
 - a. Monitors the hiring process from applications to final selection.
 - b. Entity: **RecruitmentProcess** – JobID, ApplicationsReceived, Shortlisted, Interviewed, OffersMade, Hired
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Software Requirements

The backend uses **SQL**, the frontend is developed in **Visual Studio**, and **C#** is the programming language.

Group Member Details

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