North South University

CSE311L Database Management System Lab

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Project Report

GROUP-11

Submitted by:

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Project link with README file: https://github.com/SIUM03/CSE311.git

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<u>Project Report: Jobs Management system</u>

1. Introduction

The Job Management System is a web-based platform designed to streamline the process of job postings, applications, and tracking for both employers and job seekers. Admin of this application can handle applied and verified jobs , can add or delete advertisements, also can verify new users or delete any user or job. Admin can see the statistics of the database and handle it efficiently. This system serves as a centralized portal where companies can post job openings and manage applicants, while job seekers can browse listings, apply for jobs, and track their application status .

2. Objectives

- **To provide an easy-to-use interface for job posting and application.**
- **To maintain a structured database of job listings and user information.**
- **To enable communication between employers and job seekers.**

3. Features

Admin Panel: (Implemented by MD. ABDUL WADUD)

- Secure login: Can check if the username and password matches with the database or not.
- Manage users (job seekers and employers): Can verify and activate or delete users.
- Manage jobs: Can see applied jobs and can verify or reject them.
- Monitor job listings and activities: Can see all types of statistics in a panel . like total applied jobs, total verified jobs, total users, category wise joblist.
- Advertise management: Can add or delete ads which will show in the user interface.

For Job Seekers:(Implemented by Md. Mohin Al Hasan)

- Registration and login
- Profile creation and resume upload
- Job search with filters (location, category, etc.)
- Apply for jobs

- Track application status

For Employers:(Implemented by **Sazim Rahman Siam)**

- Employer registration and login

- Post new job listings

- Edit or delete jobs

- View and manage applicants

- Contact potential candidates

4. Technology Stack

- Frontend: HTML, CSS

- Backend: PHP

- Database: MySQL(for CRUD operations)

- Server: Apache (XAMPP/LAMP)

5. Database Design

Key Tables:

- USERS – Stores information about job seekers.

- JOBS - Contains job listing data.

- Advertisements - Tracks advertisements.

- Admin - For managing the backend system.

6. Database Schema:

 # users:

- id :INT (AUTO_INCREMENT, PRIMARY KEY)
- name: VARCHAR(100) (NOT NULL)
- email: (VARCHAR(100) NOT NULL)
- password:(VARCHAR(255) ,NOT NULL)
- role:(ENUM('employer', 'job_seeker'), NOT NULL)

- status:(ENUM('active', 'inactive') ,NOT NULL)

#jobs:

- job_id: INT (AUTO_INCREMENT, PRIMARY KEY)
- title: (VARCHAR(255), NOT NULL)
- salary: VARCHAR(50)(NOT NULL)
- description: TEXT,
- category: (ENUM('Software', 'Healthcare',Finance,'Marketing')
- job_type : ENUM('Full-time', 'Part-time'), NOT NULL
- Location: (ENUM('Online', 'In-Office'), NOT NULL)
- company: VARCHAR(100),
- status ENUM('verified', 'pending') DEFAULT 'pending'

 # admin:

- id :INT (AUTO_INCREMENT, PRIMARY KEY)
- name: VARCHAR(100), (NOT NULL)
- email: VARCHAR(255)(NOT NULL)
- password: VARCHAR(255) (NOT NULL)

 # advertisements:

- id :INT (AUTO_INCREMENT, PRIMARY KEY)
- ad_image:VARCHAR(255)(NOT NULL)
- description: text

7. Conclusion

The Job Management System could successfully meet the goals of simplifying the recruitment process if
we could integrate all the code together for both employers and job seekers. It is able to reduce manual
effort and offers a platform where both parties can interact efficiently . With further enhancements, it has
the potential to become a robust tool for professional networking and recruitment.

Welcome to Hirely!

Login to get started

Username

Password

Login as a Job Seeker

Login as an Employer

Create an account

Hay, Admin.

Email

Password

Login

Admin Panel

User Management

Applied Jobs

Varified Jobs

Analytics & Reports

Advertisement

Logout

Welcome, MD ABDUL WADUD ! Manage the website from here.

You can now varify and approve pending job request

You can now active the inactive users

Admin Panel

User Management

Applied Jobs

Varified Jobs

Analytics & Reports

Advertisement

Logout

User Management

Pending Registrations

ID	Username	Email	Role	Status	Actions
5	brainstation	brain@23.com	employer	inactive	Activate Reject
6	brb ainstation	bra in@23.com	employer	inactive	Activate Reject
7	brb adfinstation	bradfin@23.com	employer	inactive	Activate Reject
8	brb adfinstation	braddffin@23.com	employer	inactive	Activate Reject
9	brb adfinstation	bradfidfn@23.com	employer	inactive	Activate Reject
10	Z adfisdnstation	bradfdfsin@23.com	employer	inactive	Activate Reject
11	brb adsdfinstation	bradfsain@23.com	employer	inactive	Activate Reject
12	brb adfin station	brsdadfjhin@23.com	employer	inactive	Activate Reject

Admin Panel

- User Management
- Applied Jobs
- Varified Jobs
- Analytics & Reports
- Advertisement
- Logout

Job Listings

Pending Job Approvals

Job ID	Title	Salary	Description	Location	Actions
397	Data Scientist	130000 USD/year	Extract insights from data.	Online	Accept Reject
399	HR Manager	85000 USD/year	Manage hiring and workplace policies.	In-office	Accept Reject
401	Network Administrator	87000 USD/year	Manage network infrastructure.	Online	Accept Reject
403	AI Researcher	140000 USD/year	Develop AI models.	Online	Accept Reject
433	AI Researcher	140000 USD/year	Develop AI models.	Online	Accept Reject
434	Healthcare Manager	98000 USD/year	Oversee healthcare operations.	In-office	Accept Reject
435	Sales Executive	75000 USD/year	Manage client relations.	Online	Accept Reject
436	Legal Advisor	115000 USD/year	Provide legal guidance.	In-office	Accept Reject
437	Product Manager	125000 USD/year	Lead product development.	Online	Accept Reject

localhost:8800/Admin/user.php

Admin Panel

- User Management
- Applied Jobs
- Varified Jobs
- Analytics & Reports
- Advertisement
- Logout

Advertisement Management

Add New Advertisement

Upload Ad Image link:

Advertisement Description:

Upload Ad

Existing Advertisements

Image	Description	Actions
	100 dollar per day by sazim musk	Delete
	this is a add	Delete

localhost:8800/Admin/ads.php

Admin Panel

- User Management
- Applied Jobs
- Varified Jobs
- Analytics & Reports
- Advertisement
- Logout

Analytics & Reports

Statistics

Total Job request	Total Pending Jobs	Total Varified Jobs	Total Running Advertisement	Total user
26	9	17	4	12

Job Categories & Vacancies

Category	Available Jobs	Action
Marketing	4	View jobs
Healthcare	2	View jobs
Software	8	View jobs
Finance	3	View jobs

Job Categories Overview

Job ID	Title	Salary	Description	Category	Location
387	Content Writer	60000 USD/year	Create and edit digital content.	Marketing	Online
420	Sales Executive	75000 USD/year	Manage client relations.	Marketing	Online
429	HR Manager	85000 USD/year	Manage hiring and workplace policies.	Marketing	In-office
432	Content Writer	60000 USD/year	Create and edit digital content.	Marketing	Online