JOB TRACKING & MANAGEMENT SYSTEM

Software Requirements Specification

INT 220- Server-Side Scripting

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1. Introduction

This project focuses on providing a streamlined, user-friendly platform for tracking job applications and related tasks. It includes features like status management, deadline reminders, and progress analytics. The system targets individual job seekers and small recruitment teams, prioritizing simplicity and actionable insights.

1.1 Purpose

- To streamline the job application process by providing a centralized platform where users can:
- Track applications across stages (e.g., Applied, Interview, Rejected, Hired).
- Organize tasks (e.g., follow-ups, deadlines) with Kanban-style boards or lists.
- Analyze progress (e.g., stats on application success rates, response times)

1.2 Scope

The **Personal Finance Tracker and Budget Tracker** is a web-based application designed to help users:

- Job Application Tracking
- Task Management
- User Accounts
- Dashboard & Analytics

1.3 Definitions, Acronyms, and Abbreviations

- **SRS:** Software Requirements Specification
- **UI:** User Interface
- **DB:** Database
- **CRUD:** Create, Read, Update, Delete

1.4 References

- IEEE SRS Template
- GitHub Repository: https://github.com/Yash-36-p/Ca.git

1.5 Overview

This document is structured as follows:

- **Section 2:** General description of the system

- **Section 3:** Specific functional and non-functional requirements
- **Section 4:** Analysis models (e.g., Data Flow Diagrams)
- **Appendices:** Additional supporting documents

2. General Description

2.1 Product Perspective

The **Job Tracking & Management System** is a standalone web application built using:

- **Frontend:** HTML, CSS, JavaScript, Tailwind CSS
- **Backend:** PHP
- **Database:** MySQL

2.2 Product Functions

Key functionalities include:

- User Authentication & Profiles
- Job Application Management
- Task & Deadline Tracking
- Dashboard & Analytics
- Responsive UI

2.3 User Characteristics

- **Job Seekers :** Primary Audience: Unemployed professionals, students, or career switchers.
- **Recruiters/Hiring Managers :** HR professionals or small-team recruiters.
- **Freelancers/Gig Workers :** Independent contractors (e.g., designers, developers).
- **Admin Users :** System administrators (for user management or analytics).

2.4 General Constraints

- Must work on modern browsers
- No support for mobile apps (web-responsive only)
- Designed for individual/small-team use (not enterprise-level traffic).
- No offline mode (requires constant internet).

2.5 Assumptions and Dependencies

- Users have a stable internet connection
- PHP and MySQL are available on the hosting server

3. Specific Requirements

3.1 External Interface Requirements

3.1.1 User Interfaces

- **Dashboard:** Displays Analysis of the jobs
- **Login/Signup:** Forms with validation (e.g., email/password).
- **Job Entry Form:** Fields for company, role, deadline, notes.
- **Accessibility:** Basic keyboard navigation (if implemented).

3.1.2 Hardware Interfaces

- Compatible with standard PCs/laptops

3.1.3 Software Interfaces

- **Frontend:** HTML, CSS, JavaScript, Tailwind CSS
- **Backend:** PHP
- **Database:** MySQL

3.1.4 Communications Interfaces

- HTTP/HTTPS for web access

3.2 Functional Requirements

3.2.1 User Authentication & Management

- **FR1.1:** Users can register with email & password
- **FR1.2:** Users can log in/log out securely

3.2.2 . Job Application Tracking

- **FR2.1:** Users shall add new job applications.
- **FR2.2:** Users shall update job status v

3.2.3 Task & Deadline Management

- **FR3.1:** Users shall set reminders for follow-ups (e.g., interviews).
- **FR3.2:** Users shall prioritize jobs

3.2.4 Dashboard & Analytics

- **FR4.1:** The system shall display stats
- **FR4.2:** Visualize data via charts

3.3 Non-Functional Requirements

3.3.1 Performance

- Page load time < 2 seconds

3.3.2 Reliability

- 97% uptime

3.3.3 Availability

- Accessible 24/7 (excluding maintenance)

3.3.4 Security

- Password encryption
- SQL injection prevention

3.3.5 Maintainability

- Modular code structure

3.3.6 Portability

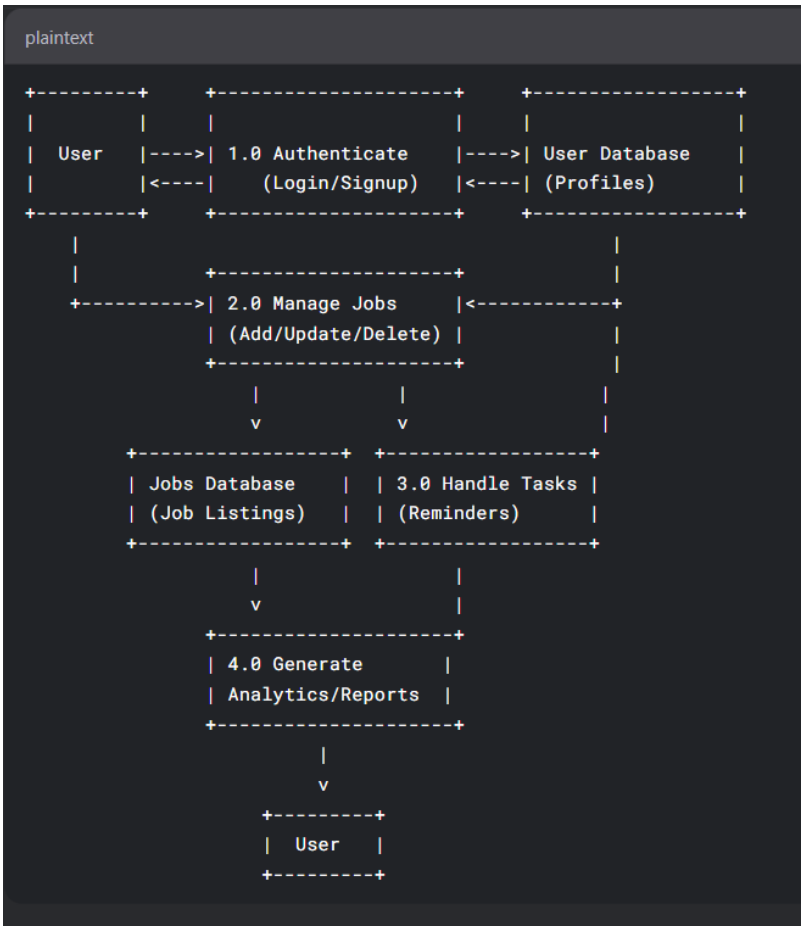
- Works on major browsers

3.4 Design Constraints

- Must use PHP for backend
- MySQL for database

4. Analysis Models

4.1 Data Flow Diagrams (DFD)



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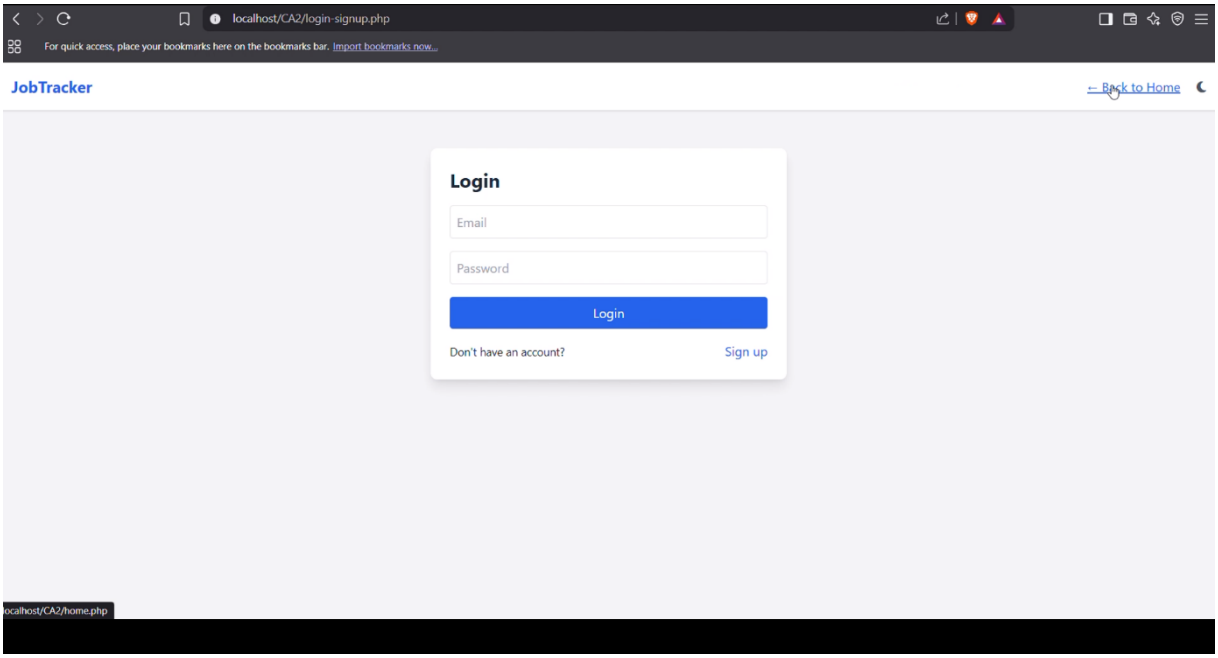
5. GitHub Link

- [3]https://github.com/Yash-36-p/Ca.git

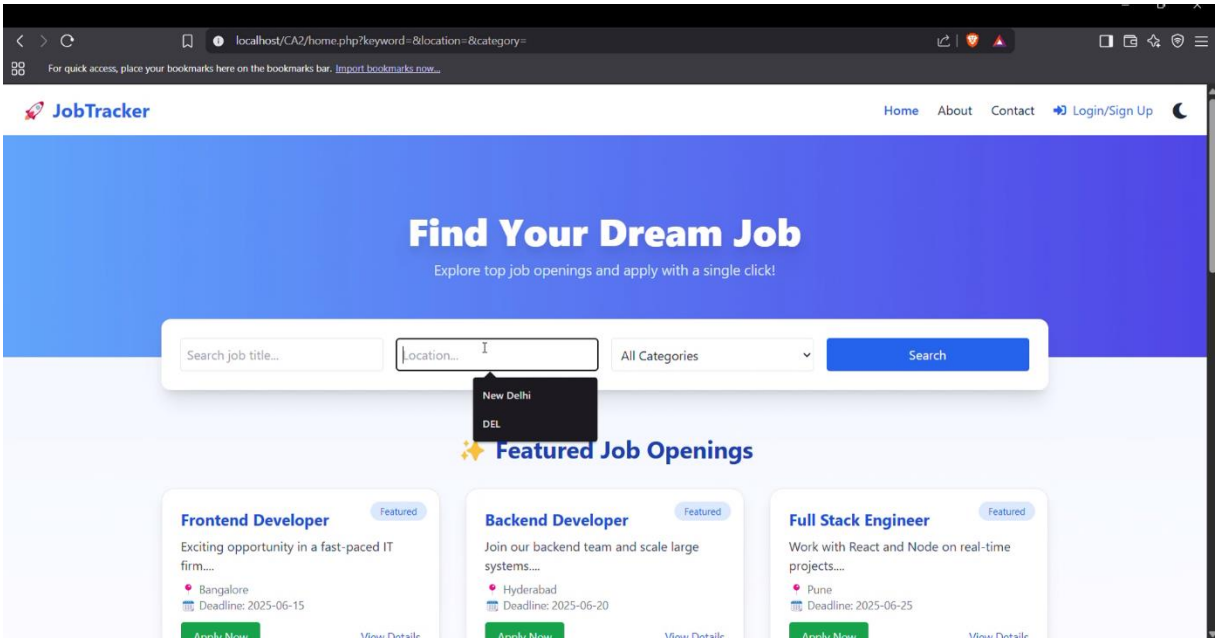
Appendices

A.1 Appendix 1: Screenshots

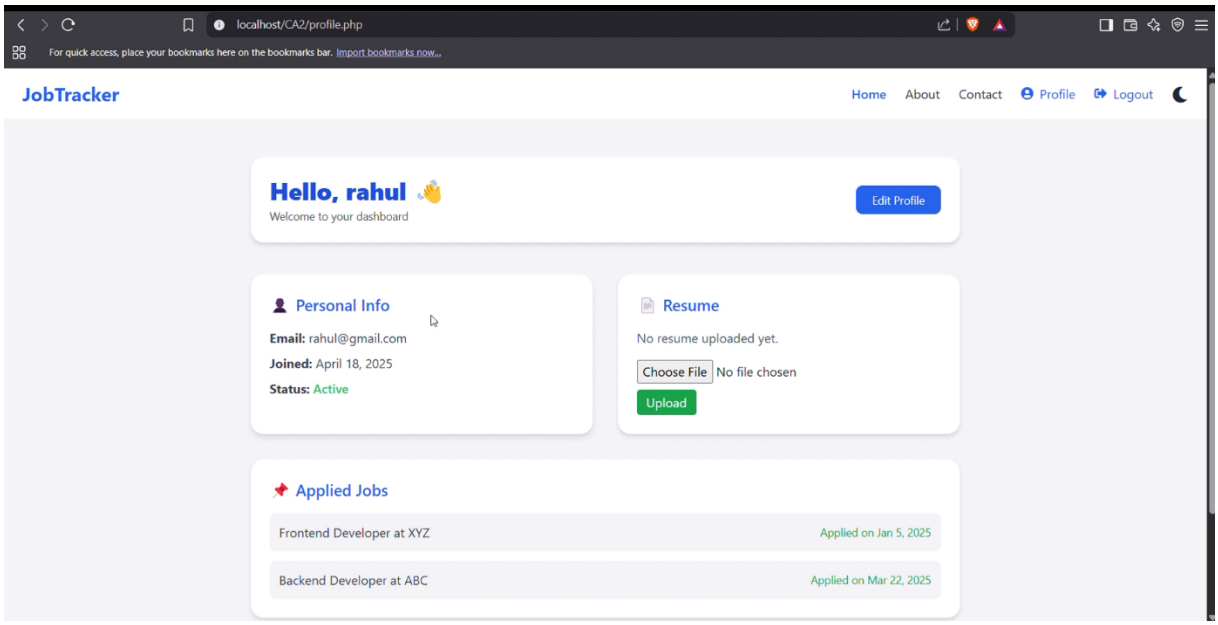
1. Login Page



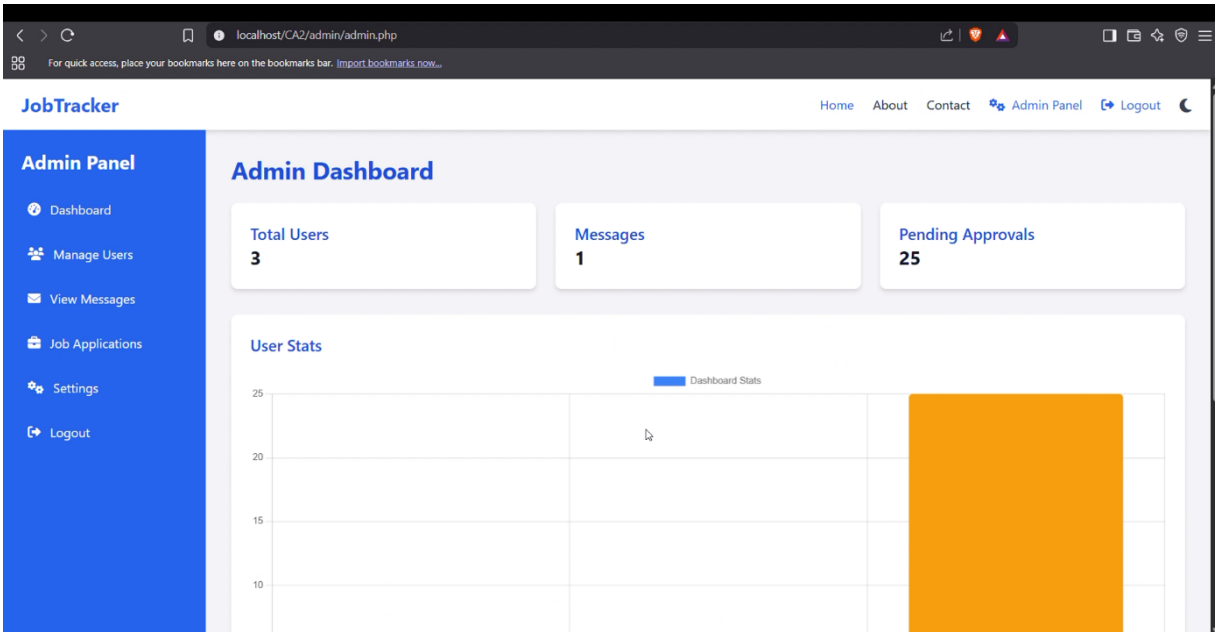
2. Home Page



3. User Profile



4. Admin Dashboard & Data Analysis



5. User Management