

# **JOB TRACKING & MANAGEMENT SYSTEM**

## **Software Requirements Specification**

### **INT 220- Server-Side Scripting**

#### **Students Name and Registration No.**

**Paras Pathania – 12401142**

**Yash Pandey – 12411469**

**Phaneendra Kakumani – 12418953**

**Rishav Kumar -12400591**

Prepared for  
Continuous Assessment 2  
Spring 2025

# Table of Contents

<b>1. INTRODUCTION.....</b>	<b>3</b>
1.1 PURPOSE.....	3
1.2 SCOPE.....	3
1.3 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS.....	3
1.4 REFERENCES .....	3
1.5 OVERVIEW .....	3
<b>2. GENERAL DESCRIPTION .....</b>	<b>4</b>
2.1 PRODUCT PERSPECTIVE .....	4
2.2 PRODUCT FUNCTIONS .....	4
2.3 USER CHARACTERISTICS.....	4
2.4 GENERAL CONSTRAINTS .....	4
2.5 ASSUMPTIONS AND DEPENDENCIES .....	4
<b>3. SPECIFIC REQUIREMENTS.....</b>	<b>5</b>
3.1 EXTERNAL INTERFACE REQUIREMENTS .....	5
3.1.1 <i>User Interfaces</i> .....	5
3.1.2 <i>Hardware Interfaces</i> .....	5
3.1.3 <i>Software Interfaces</i> .....	5
3.1.4 <i>Communications Interfaces</i> .....	5
3.2 FUNCTIONAL REQUIREMENTS.....	5
3.2.1 <i>&lt;Functional Requirement or Feature #1&gt;</i> .....	5
3.2.2 <i>&lt;Functional Requirement or Feature #2&gt;</i> .....	5
3.3 NON-FUNCTIONAL REQUIREMENTS .....	5
3.3.1 <i>Performance</i> .....	6
3.3.2 <i>Reliability</i> .....	6
3.3.3 <i>Availability</i> .....	6
3.3.4 <i>Security</i> .....	6
3.3.5 <i>Maintainability</i> .....	6
3.3.6 <i>Portability</i> .....	6
3.4 DESIGN CONSTRAINTS .....	6
3.5 OTHER REQUIREMENTS.....	6
<b>4. ANALYSIS MODELS.....</b>	<b>7</b>
4.1 DATA FLOW DIAGRAMS (DFD) .....	7
<b>5. GITHUB LINK .....</b>	<b>7</b>
<b>7. CLIENT APPROVAL</b>	
<b>A. APPENDICES.....</b>	<b>8</b>
A.1 APPENDIX 1.....	8

## 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

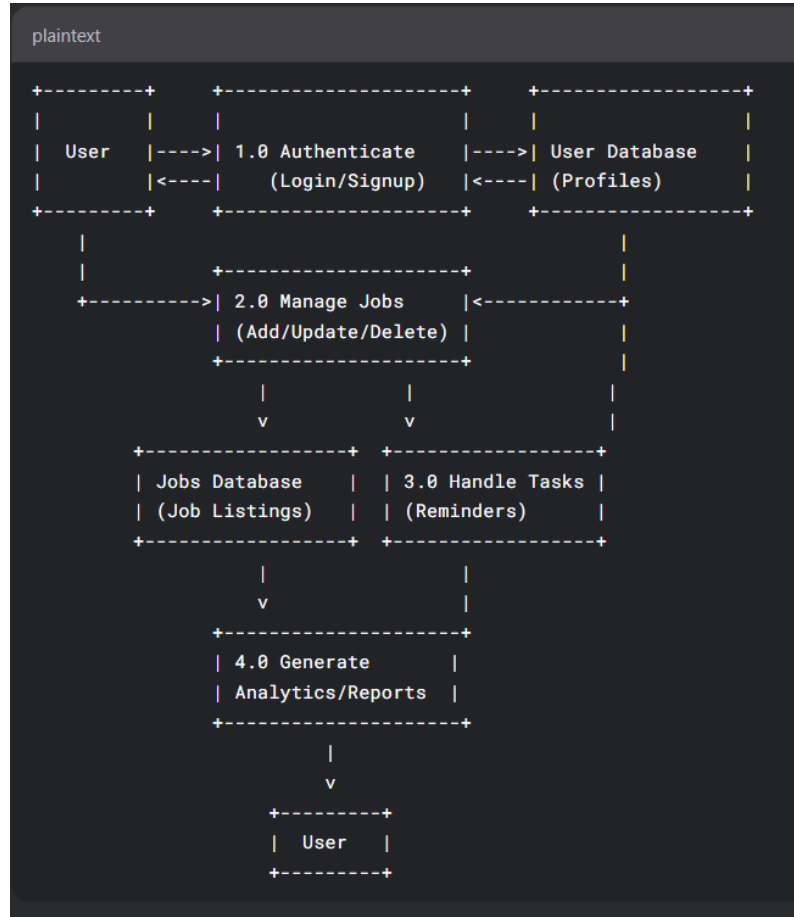
### **3.4 Design Constraints**

- Must use PHP for backend
- MySQL for database



## 4. Analysis Models

### 4.1 Data Flow Diagrams (DFD)



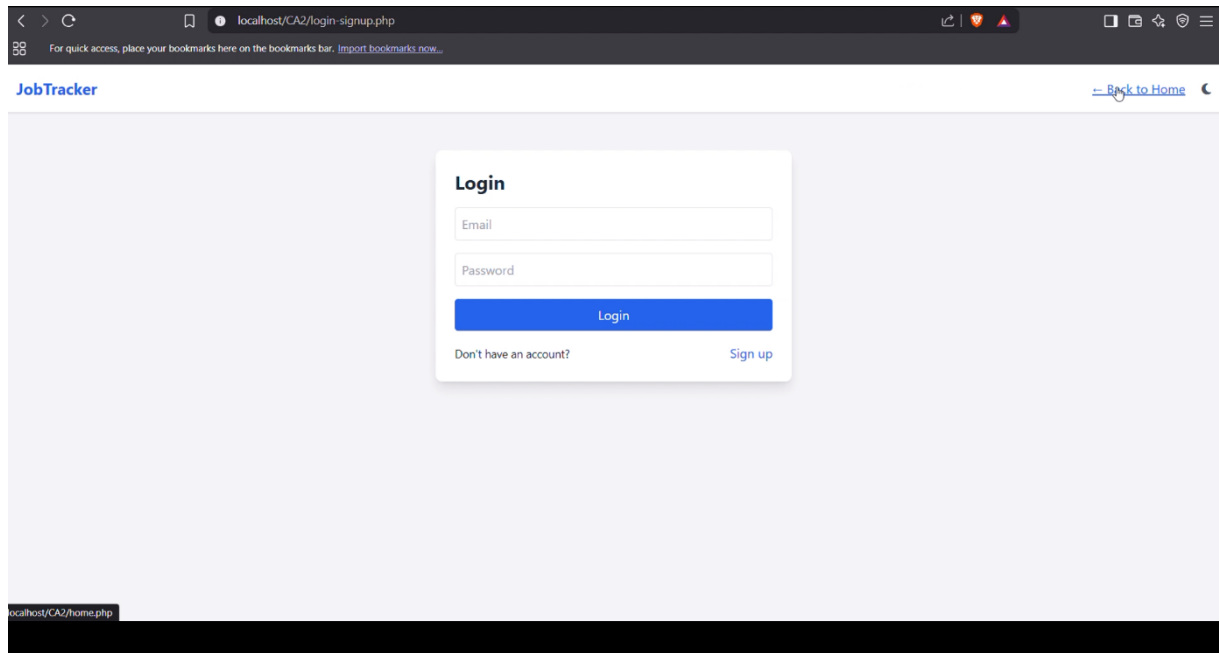
## 5. GitHub Link

- <https://github.com/Yash-36-p/Ca.git>

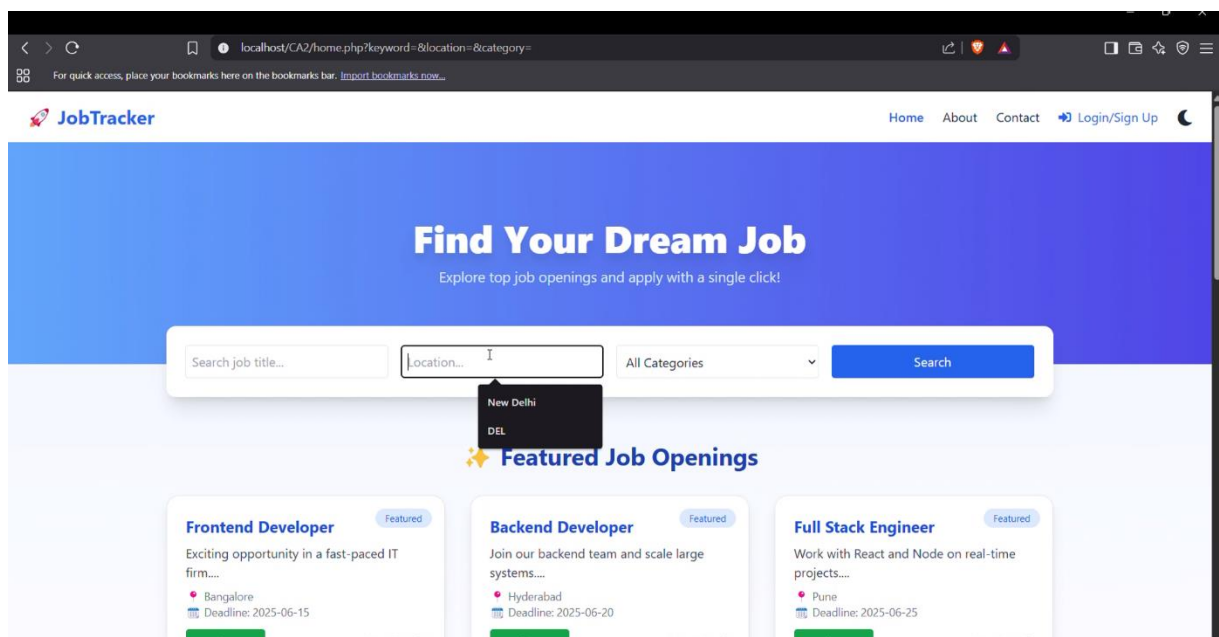
# Appendices

## A.1 Appendix 1: Screenshots

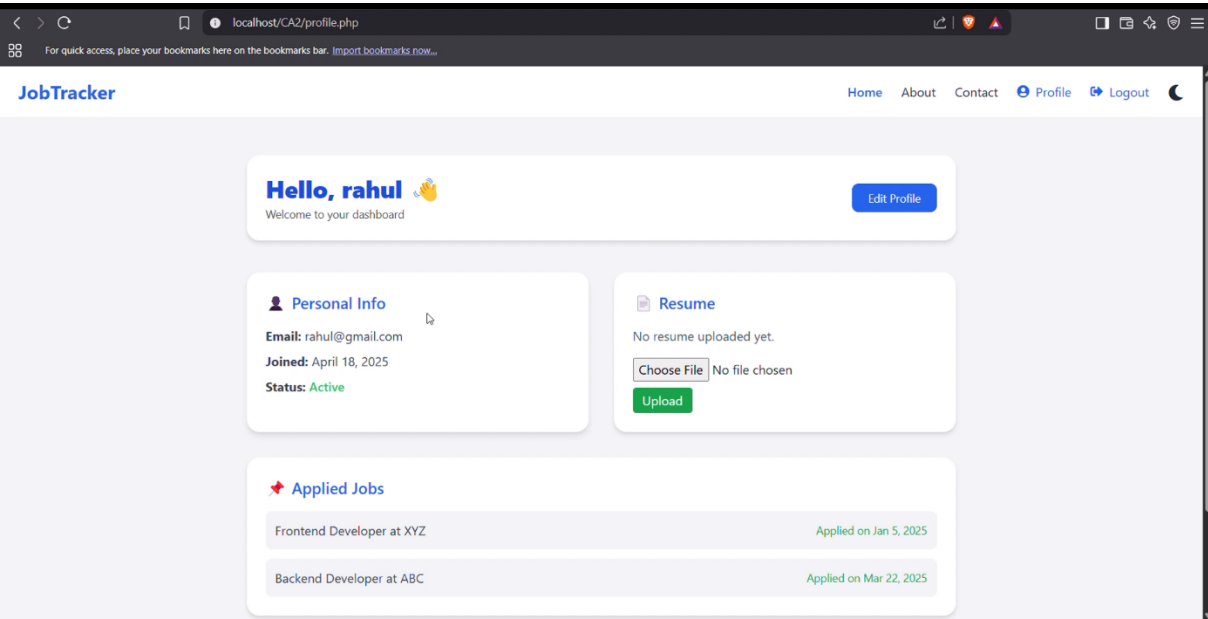
### 1. Login Page



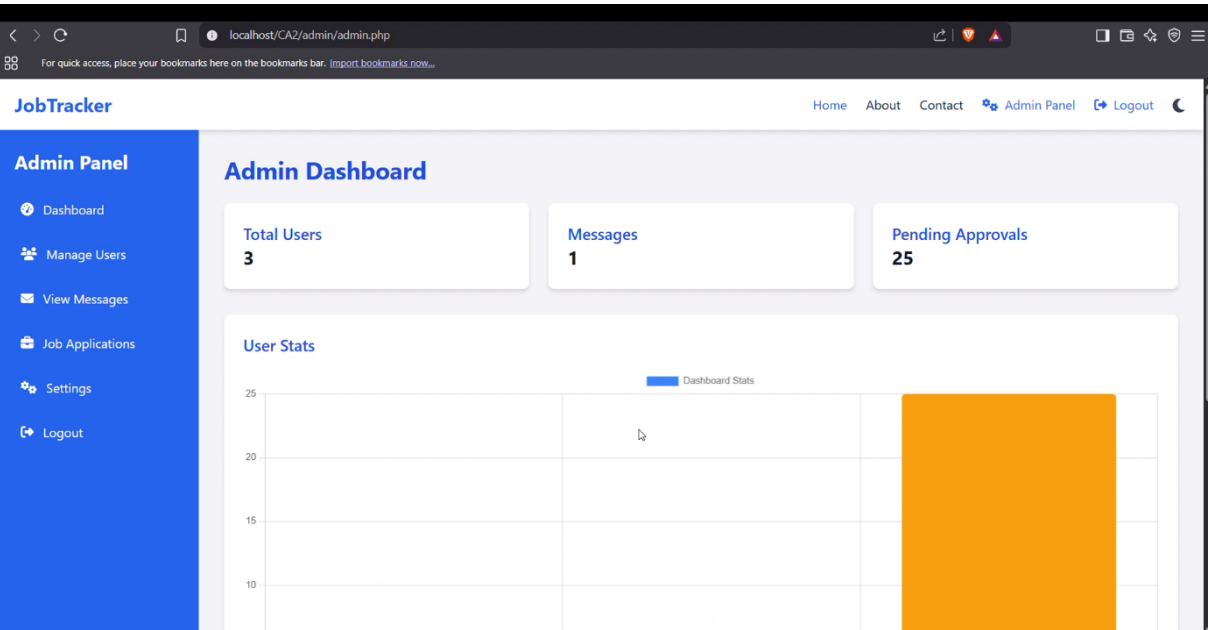
### 2. Home Page



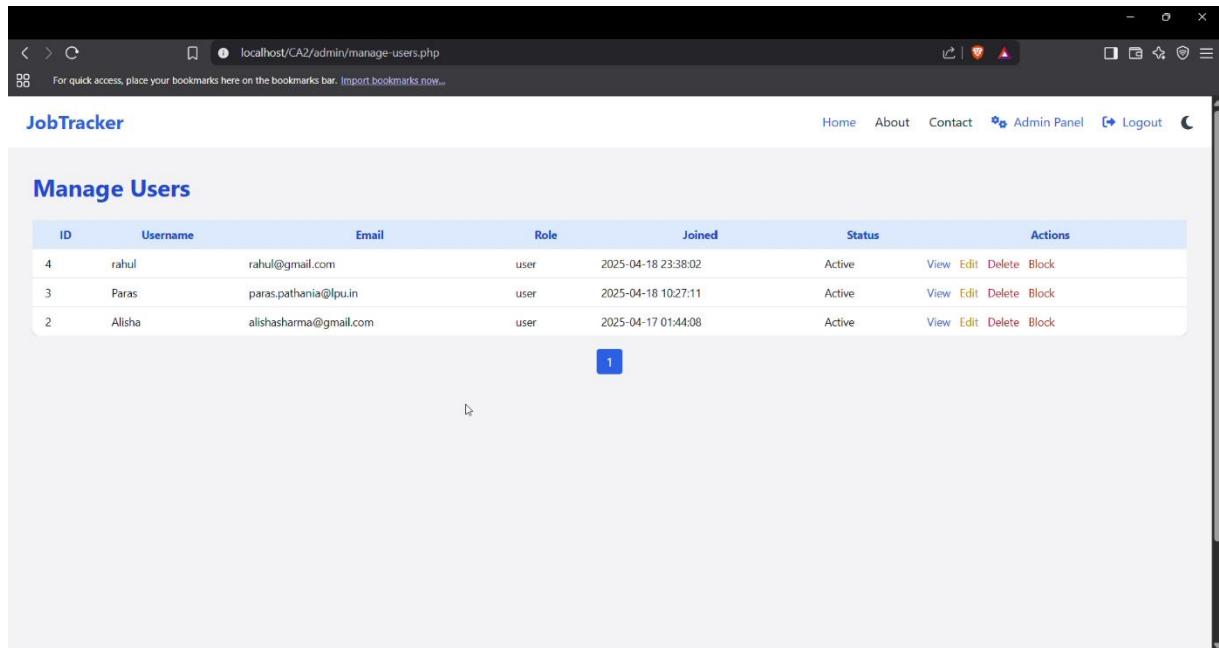
### 3. User Profile



### 4. Admin Dashboard & Data Analysis



## 5. User Management



The screenshot shows a web browser window with the URL `localhost/CA2/admin/manage-users.php`. The page is titled "JobTracker" and has a navigation bar with links for Home, About, Contact, Admin Panel, and Logout. The main content area is titled "Manage Users" and contains a table with the following data:

ID	Username	Email	Role	Joined	Status	Actions
4	rahul	rahul@gmail.com	user	2025-04-18 23:38:02	Active	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Block</a>
3	Paras	paras.pathania@lpu.in	user	2025-04-18 10:27:11	Active	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Block</a>
2	Alisha	alishasharma@gmail.com	user	2025-04-17 01:44:08	Active	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Block</a>

Below the table, there is a pagination control showing "1" in a blue box, indicating the first page of results.

