



EAST WEST UNIVERSITY

Project:

“Learners’ Hot-desk” – A Student Friendly Job Portal

Team name: The FrontEnders ✨

Course: CSE479

Section: 2

Submitted By

Name	ID
Sayma Sultana	2022-1-60-405
Aditya Debnath	2022-2-60-124
Afia Tabassum	2023-1-60-091

Submitted to

Md. Arman Hossain

Lecturer

Department of Computer Science and Engineering

1. Introduction

The **Learners' Hot Desk Online Job Portal System** is a centralized, web-based recruitment platform designed to streamline the interaction between job seekers and employers. The system digitizes the complete job recruitment lifecycle, from job posting and applicant submission to application review and management.

In conventional recruitment processes, job advertisements are scattered across multiple platforms, and applications are often handled manually through emails or physical documents. These methods are inefficient, lack transparency, and make tracking applicants difficult. Learners' Hot Desk addresses these challenges by providing a structured and automated solution that ensures efficiency, accessibility, and data integrity.

The system is developed using **PHP for server-side processing, MySQL for relational data management, and HTML, CSS, and JavaScript** for a responsive and user-friendly interface. The primary objective of this project is to demonstrate how web technologies can be effectively applied to develop a scalable and secure recruitment management system.

The screenshot displays the Learners' Hot Desk Online Job Portal System. At the top, there is a navigation bar with links for Home, Find Jobs, About, and Super Admin (Admin). The main header features the text "Find your dream job" and "Student Friendly Job Portal". Below the header, there is a "Browse Jobs" button. The main content area shows a group of professionals working together, with the text "MAKE IT GREAT MAKE IT WORK MAKE IT BETTER MAKE IT HAPPIER MAKE IT..." visible in the background. The "Recent Jobs" section lists two positions: "ASP.NET Software Developer (Intern)" located in Dhaka (DOHS Mirpur) and "Tuition" located in Basabo, Dhaka. Each job listing includes a "View" button.

Job Title	Location	Type
ASP.NET Software Developer (Intern)	Dhaka (DOHS Mirpur)	Full Time
Tuition	Basabo, Dhaka	Remote

2. Related Work / Existing Systems

Several established online recruitment platforms such as **BDJobs**, **LinkedIn Jobs**, **Indeed**, and **Glassdoor** offer large-scale job search and hiring services. While these platforms are feature-rich, they are often complex, subscription-based, and not optimized for academic or small organizational use.

Limitations of existing systems include:

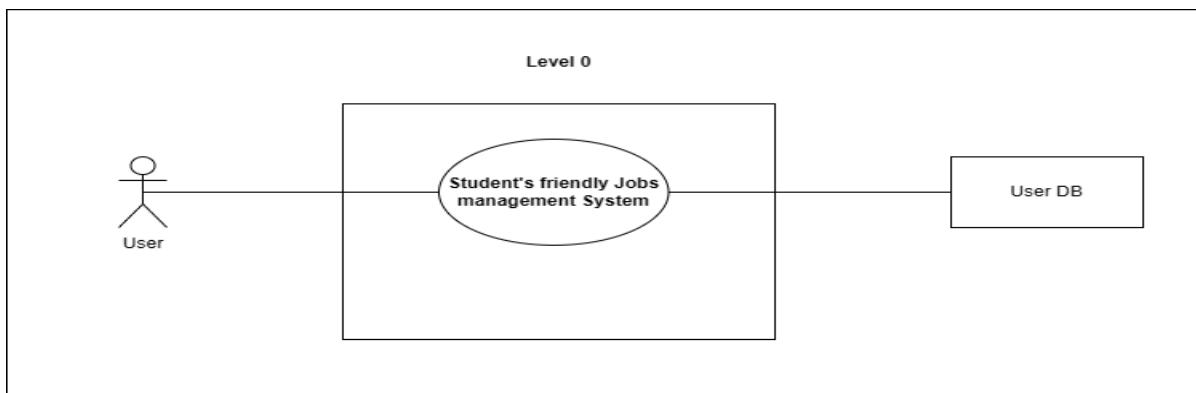
- Overly complex user interfaces
- Limited customization options
- Paid access to essential recruitment features
- Lack of transparency for beginner-level users

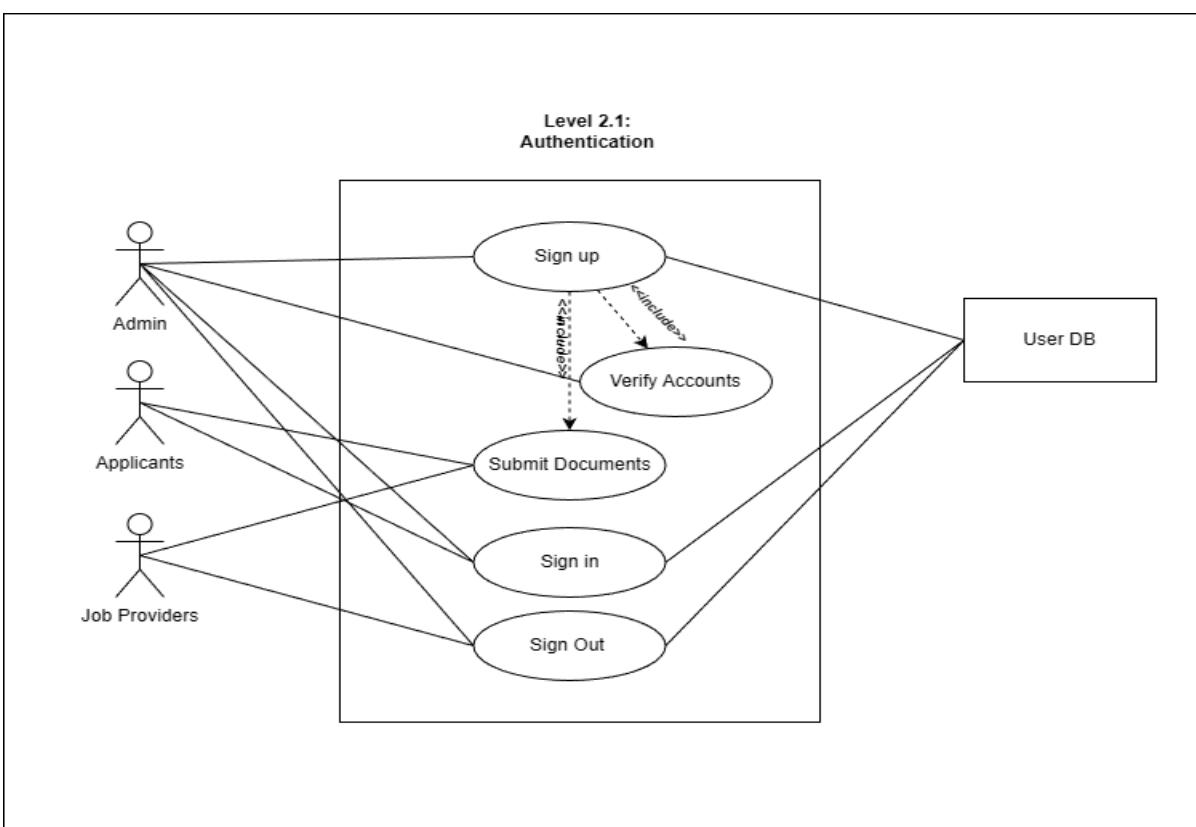
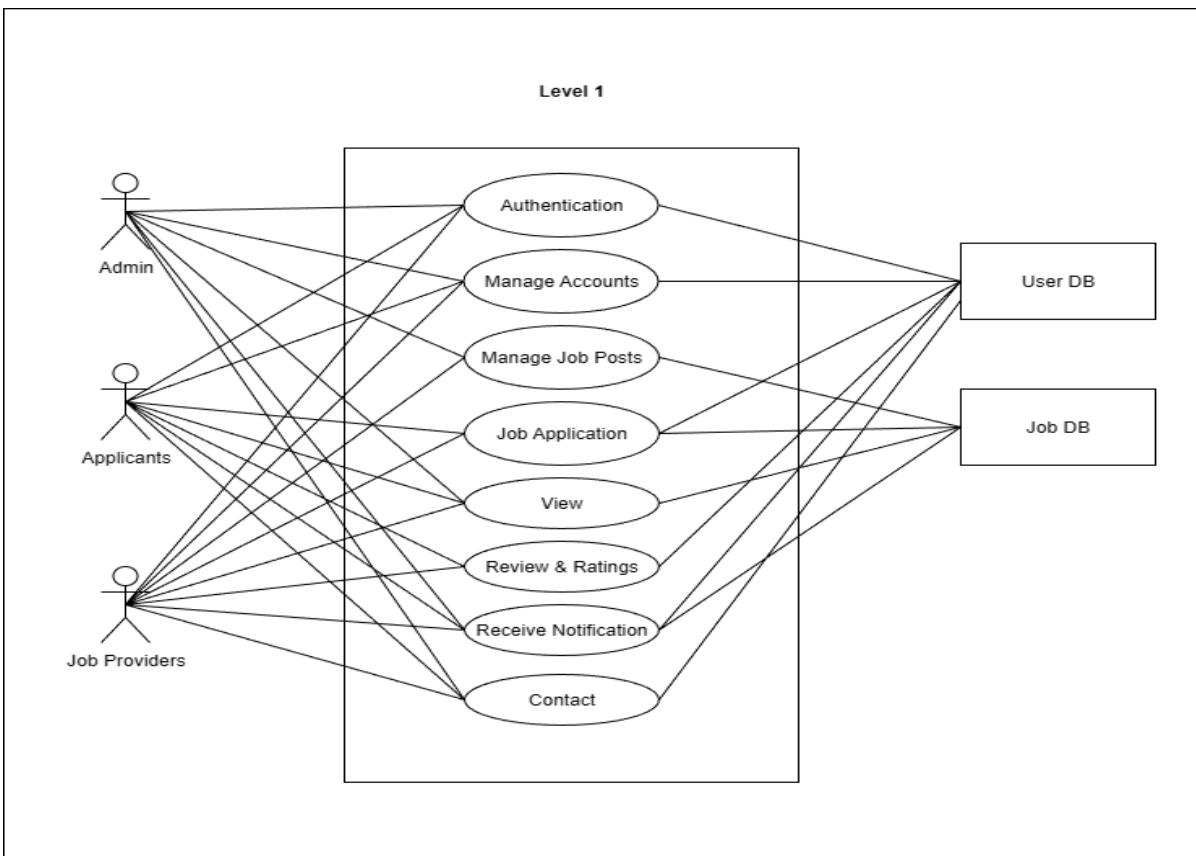
The Learners' Hot Desk system is developed as a **simplified, educational, and institution-focused alternative**, offering:

- Lightweight architecture
- Clear separation between job seeker and employer roles
- Straightforward job posting and application workflows
- Secure authentication and session management

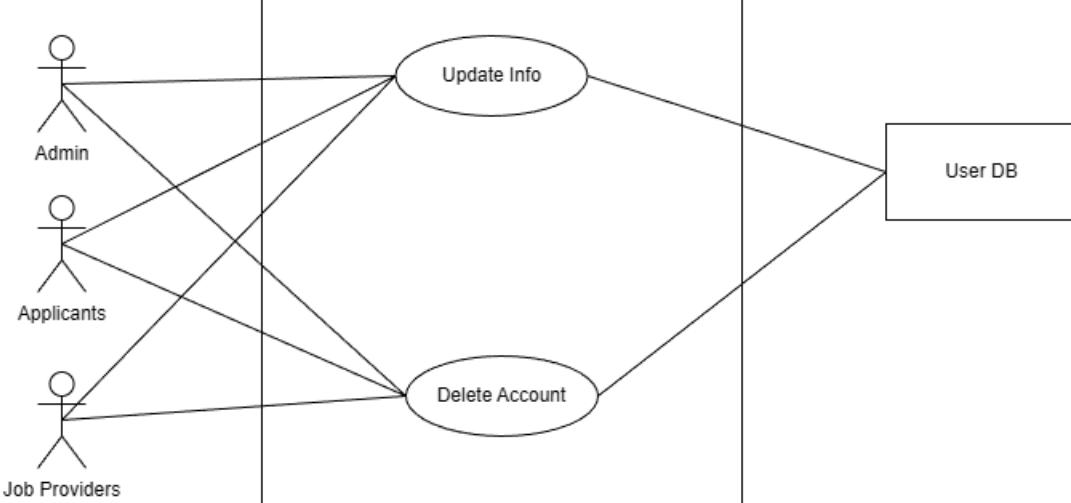
This project demonstrates how a custom job portal can be developed efficiently using core web development technologies.

Use Case Diagram:

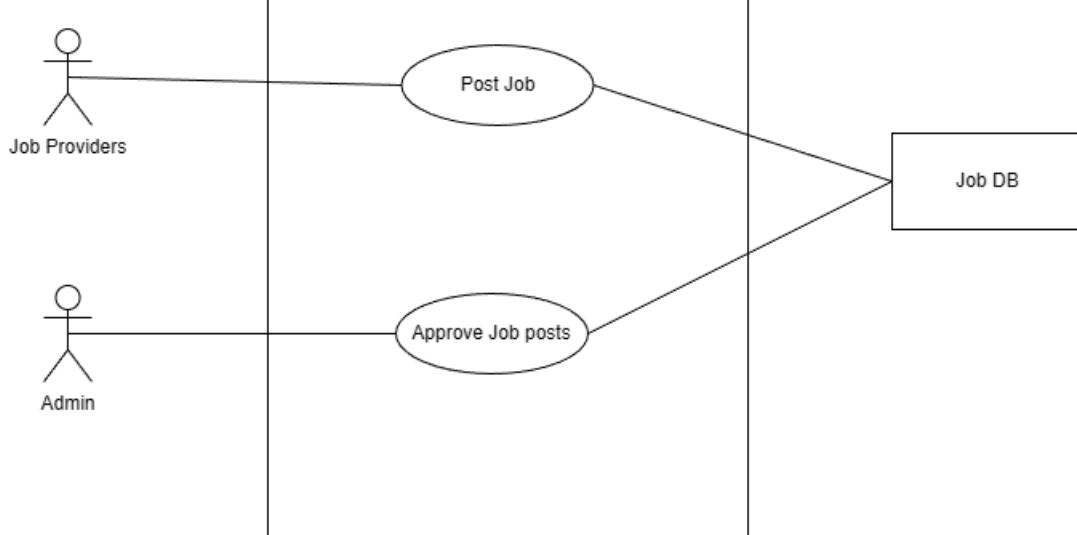




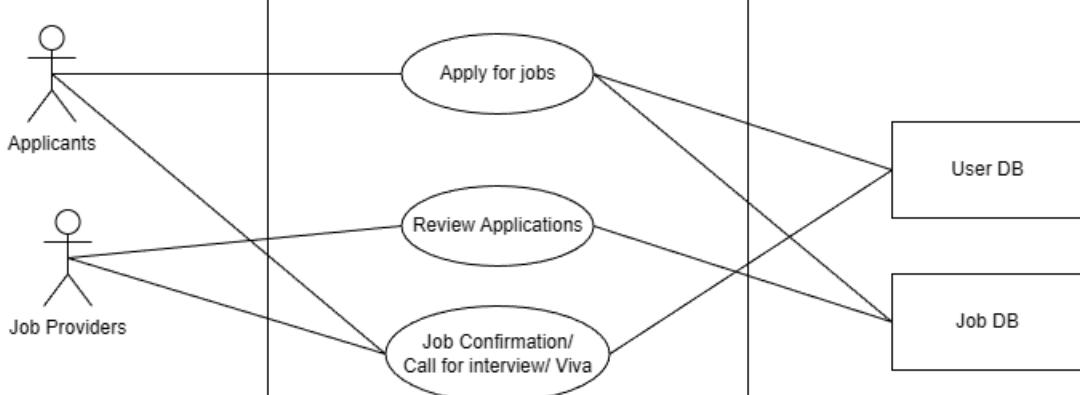
Level 2.2: Manage Accounts



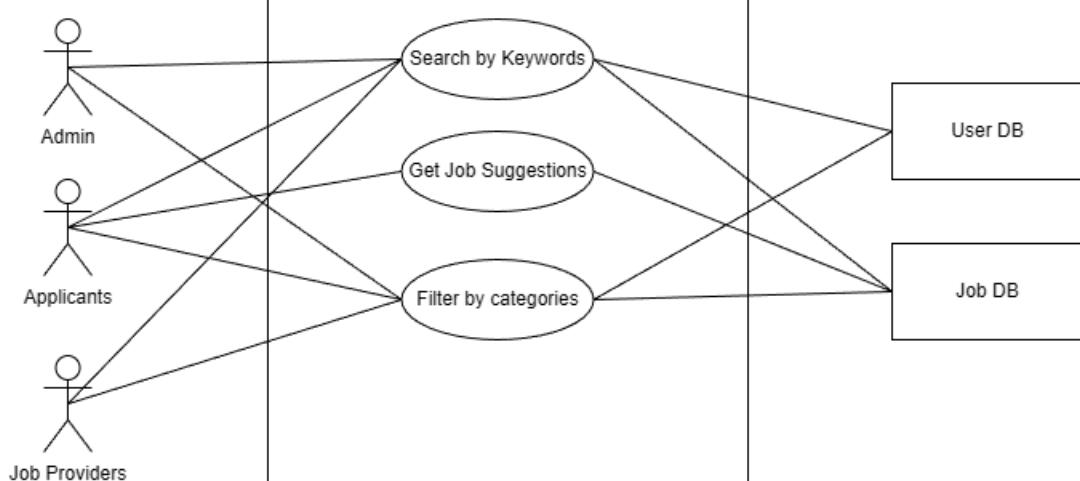
Level 2.3: Manage Job Posts



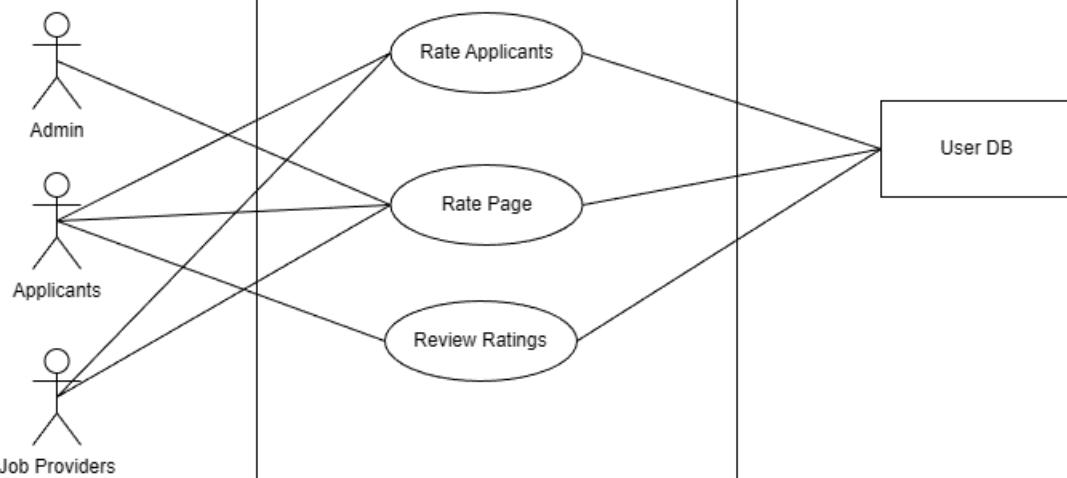
Level 2.4: Job Application



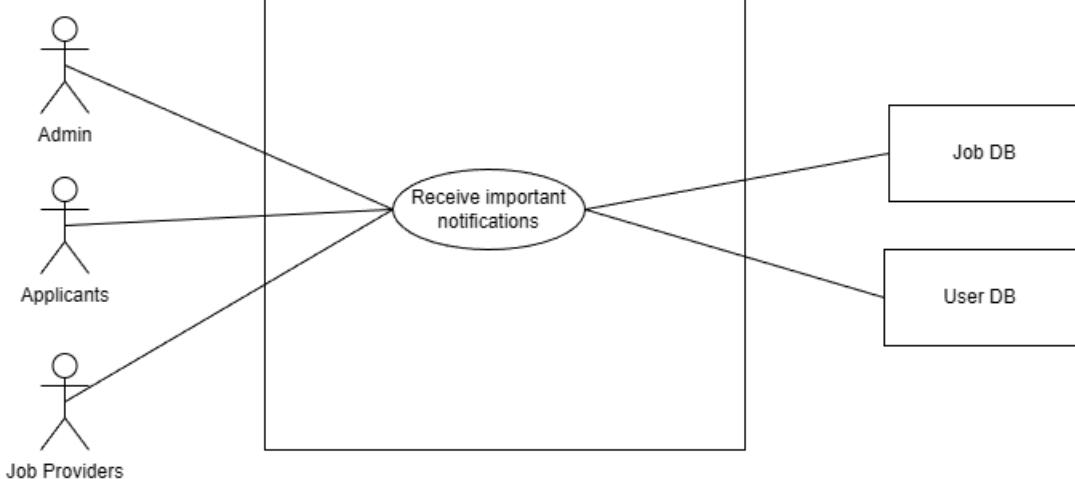
Level 2.5: View

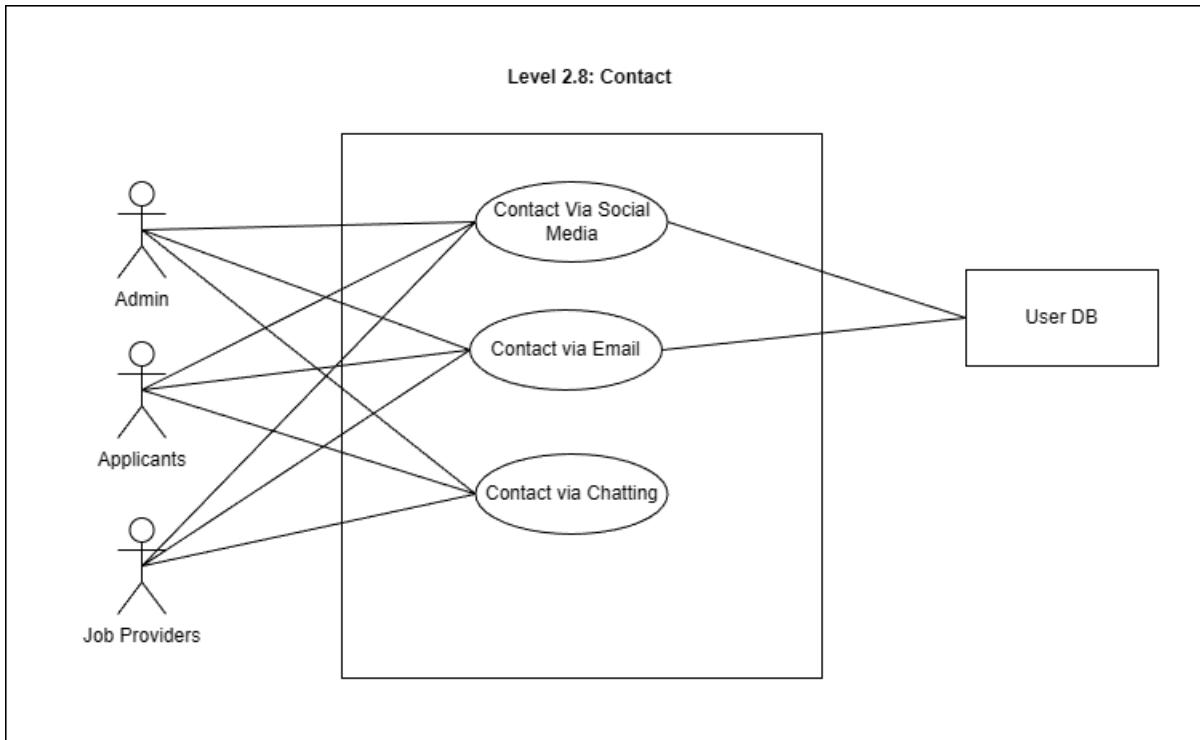


Level 2.6: Review & Ratings

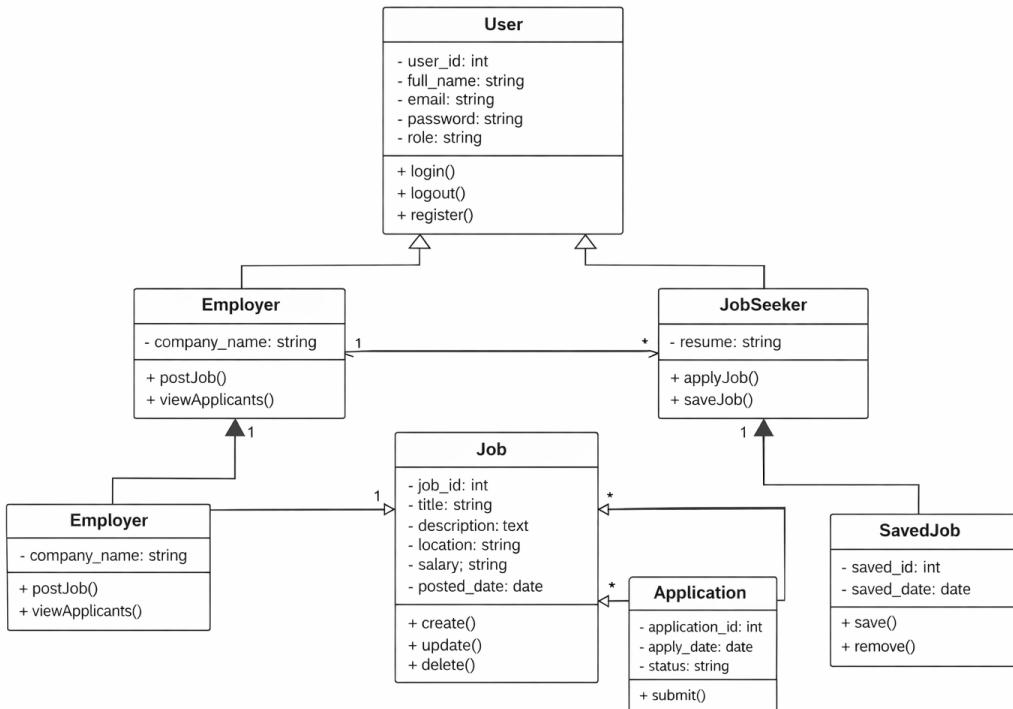


Level 2.7: Receive Notification

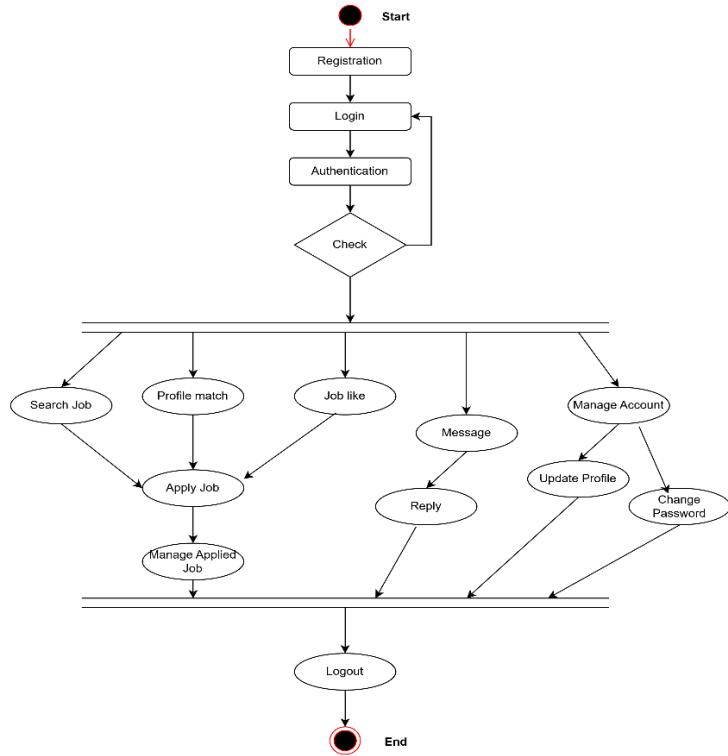




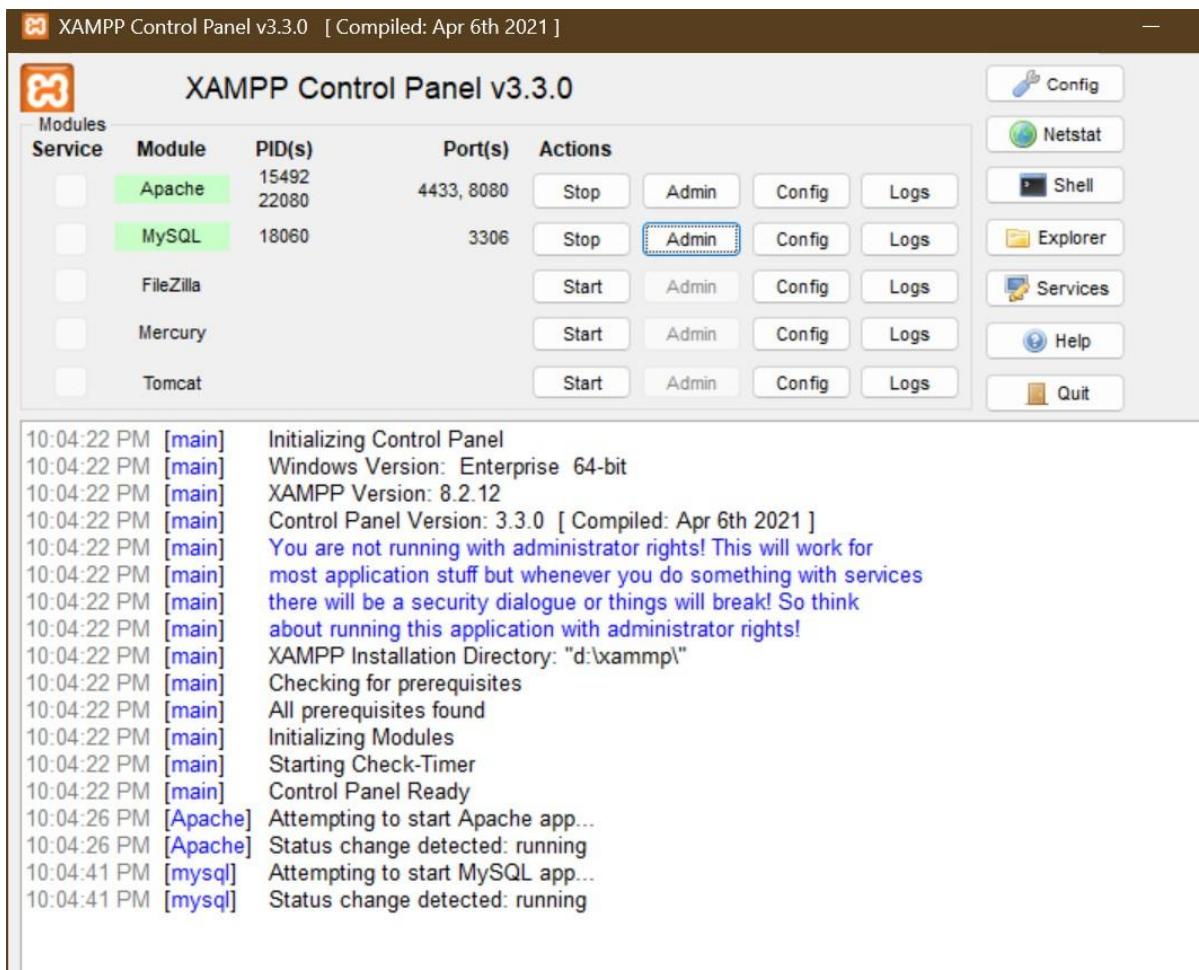
Class Diagram:



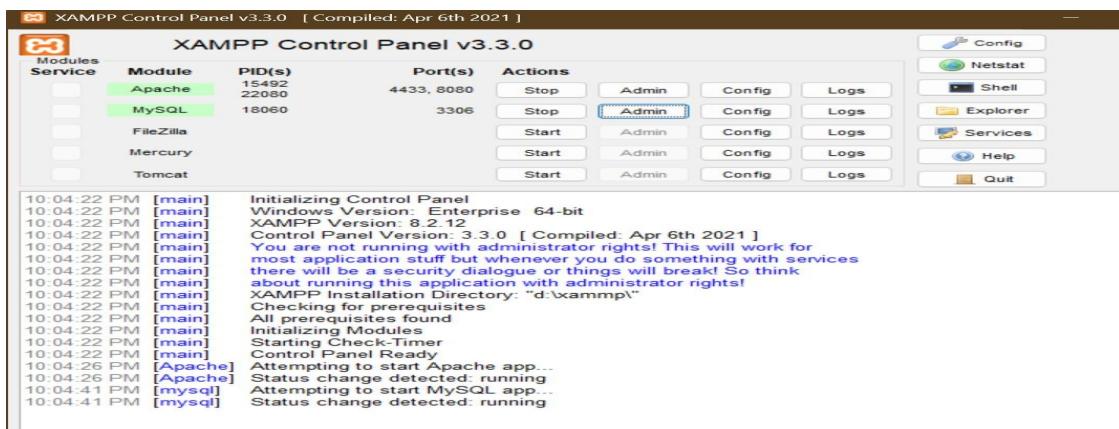
Activity Diagram:



1. Prerequisite: You must have XAMPP preinstalled on your desktop.
2. Extract the Zip source file to the following directory: “..\\XAMMP\\htdocs”.
3. Ensure that Apache and MySQL are running in the XAMPP Control Panel. If Apache or MySQL says port already in use, change the ports in the config settings.



4. Click on “Admin” button next to mySQL go to the link:



5. Create a New Database: Click on the Databases tab, Name the database “project_jobportal” (strictly necessary).



6. Open the “project_jobportal.sql” file from the source file. (Open it from any text editor)

7	login.php	12/20/2025 10:35 PM	PHP Source File
0	logout.php	12/20/2025 10:35 PM	PHP Source File
0	post-job.php	12/20/2025 10:35 PM	PHP Source File
1	project_jobportal.sql	12/20/2025 10:35 PM	SQL File
0	register.php	12/20/2025 10:35 PM	PHP Source File
0	report.php	12/20/2025 10:35 PM	PHP Source File
1	saved-jobs.php	12/20/2025 10:35 PM	PHP Source File

Authentication and Session Management

Authentication and session management constitute a fundamental security layer of the Learners' Hot Desk system, ensuring that only authorized users can access system resources and functionalities. The system employs PHP-based authentication mechanisms combined with server-side session management to maintain secure and consistent user states throughout the application lifecycle.

During the login process, user credentials are verified against records stored in the MySQL database. Upon successful authentication, a PHP session (`$_SESSION`) is initiated to store essential user information, including the user's unique identification number, role (Job Seeker or Employer), and authentication status. This session mechanism allows the system to recognize authenticated users across multiple pages without requiring repeated login attempts.

To protect restricted resources, all secure pages implement session validation checks. Users attempting to access protected modules without a valid session are automatically redirected to the login page. This prevents unauthorized access and ensures that only authenticated users can interact with sensitive system components. In cases where a session has expired or is invalid, access is denied to maintain system integrity.

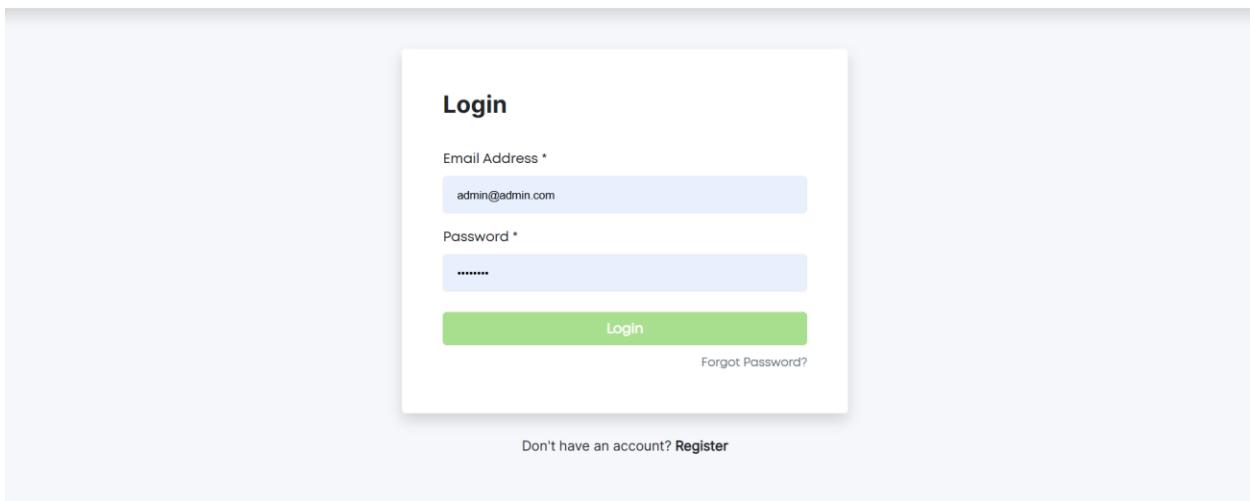
3. Functional Modules

The Learners' Hot Desk system is divided into distinct functional modules based on user roles. Each module is designed to provide role-specific features and ensure smooth interaction with the system.

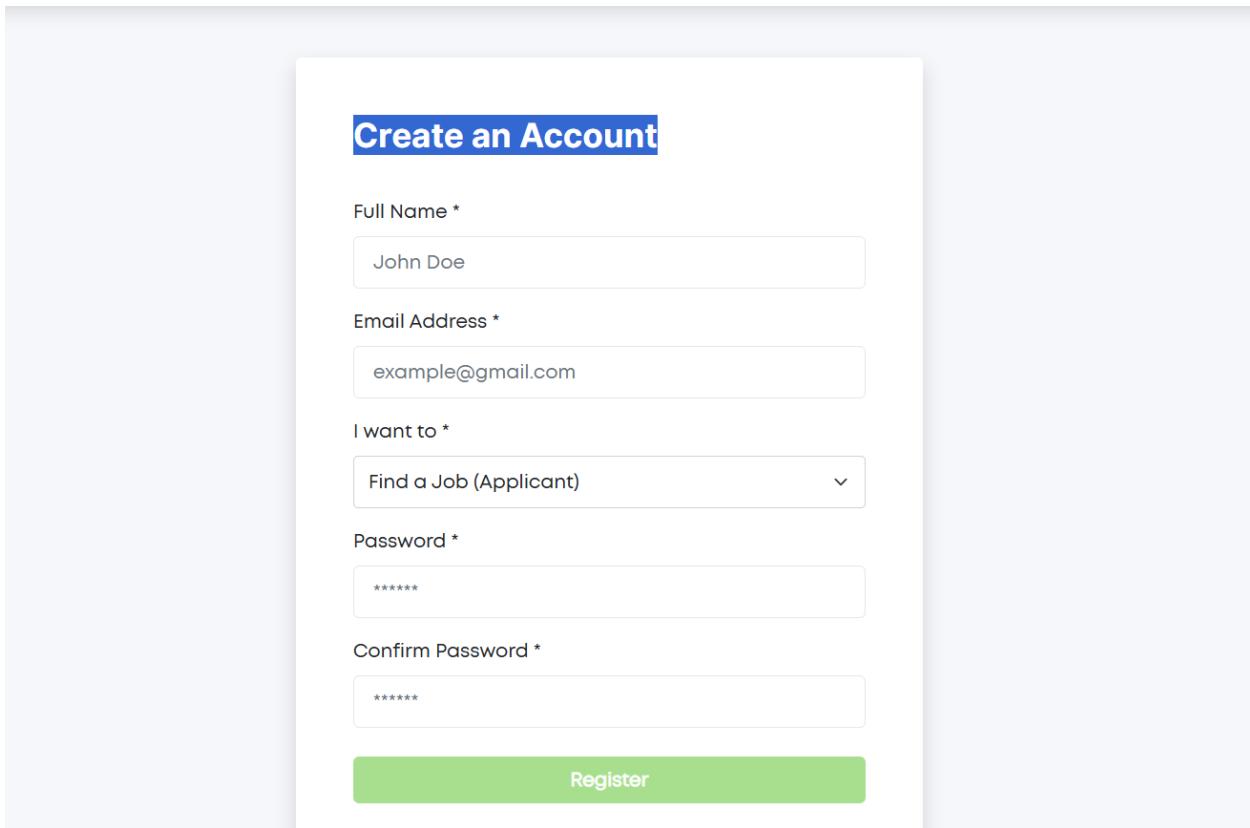
3.1 Job Seeker Module

The Job Seeker Module is designed to assist users in searching, applying, and managing job opportunities efficiently. The main functionalities of this module include:

- **Registration and Login:**
New users can create an account by providing personal details such as name, email, password, and resume information. Registered users can log in securely using their credentials.
- **Browse and Search Jobs:**
Job seekers can browse available job listings and search for jobs using keywords, location, or job categories to find suitable opportunities.
- **Apply for Jobs with CV Upload:**
Users can apply for selected job postings by submitting their applications along with an uploaded CV. The system securely stores CV files and associates them with the respective applications.
- **View Applied and Saved Jobs:**
Job seekers can track their job applications, view application status, and manage saved jobs for future reference through their personalized dashboard.



The screenshot shows the login page of a web application. At the top center is the word "Login". Below it is a form field labeled "Email Address *" containing "admin@admin.com". Below that is a form field labeled "Password *" containing "*****". A green "Login" button is centered below the password field. To the right of the button is a link "Forgot Password?". At the bottom left of the form area is a link "Don't have an account? [Register](#)".



The screenshot shows the "Create an Account" page. At the top center is the title "Create an Account" in a blue header. Below it is a form field labeled "Full Name *" containing "John Doe". Below that is a form field labeled "Email Address *" containing "example@gmail.com". Below that is a dropdown menu labeled "I want to *" with the option "Find a Job (Applicant)" selected. Below that is a form field labeled "Password *" containing "*****". Below that is a form field labeled "Confirm Password *" containing "*****". At the bottom is a large green "Register" button.

3.2 Employer Module

The Employer Module enables employers to manage job postings and interact with job applicants effectively. The key features of this module include:

- Employer Authentication:
Employers must register and authenticate themselves before accessing employer-specific functionalities. Authentication ensures secure access to job management features.
- Post and Manage Job Listings:
Employers can create new job postings by providing job details such as title, description, location, and salary. They can also update or delete existing job listings as needed.
- View Job Applicants:
Employers can view a list of applicants who have applied for their job postings, including applicant details and application status.
- Download Applicant CVs:
Employers have the ability to download submitted CVs directly from the system for offline review and candidate evaluation.

Conclusion

The **Learners' Hot Desk Online Job Portal System** successfully demonstrates the practical implementation of a recruitment management platform using web technologies. By automating job posting and application handling, the system eliminates inefficiencies associated with manual recruitment methods.

Key Outcomes:

- Streamlined and user-friendly recruitment workflow for both job seekers and employers
- Secure login, registration, and session management mechanisms
- Efficient job posting, application tracking, and profile management
- Clean, modular, and well-structured system architecture

Overall, this project reflects a strong understanding of **web application development concepts**, including database design, server-side scripting, session handling, and user interaction flows.

With further enhancements—such as automated email notifications, administrative dashboards with analytics, advanced job filtering and recommendation mechanisms, and role-based access control—the Learners' Hot Desk system has the potential to evolve into a robust, full-featured institutional or enterprise-level job portal.