School of Computing Faculty of Engineering

SECP3723 – SYSTEM DEVELOPMENT TECHNOLOGY

SEMESTER 1 2023/2024

SDT TEST

NOTES MANAGEMENT SYSTEM

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SECTION : 02

SUBJECT: SYSTEM DEVELOPMENT TECHNOLOGY

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REPORT

1.0 System Introduction

In an age dominated by information overload, the Notes Management System emerges as a pivotal solution to streamline the way individuals organize, collaborate, and engage with their notes. Designed with a user-centric approach, this system represents a significant leap forward in efficient note-taking and task management.

The Notes Management System addresses the inherent challenges associated with traditional note-keeping methods. In response to the increasing need for a cohesive, user-friendly platform, our system provides an integrated solution for managing the diverse range of notes encountered in both personal and professional spheres.

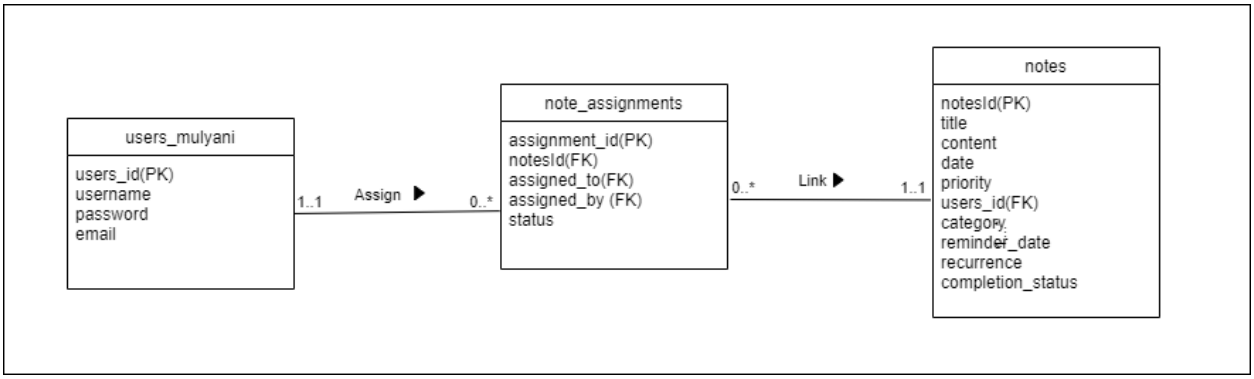
In response to the evolving landscape of digital productivity, the Notes Management System stands as a versatile solution tailored to meet the demands of modern collaborative work environments. With a focus on enhancing teamwork and optimizing time management, the system incorporates key features that redefine how individuals and teams engage with their tasks. The Collaborative Task Management feature redefines teamwork dynamics by providing users with the tools to assign tasks, share essential notes, and collaboratively update project statuses. This functionality transcends individual note-keeping, fostering a shared space where teams can seamlessly coordinate efforts, allocate responsibilities, and ensure everyone stays informed. By centralizing task-related communication within the platform, the system promotes a collaborative work ethos.

To further elevate organizational efficiency, the Notes Management System seamlessly integrates with a dynamic calendar. This Calendar Integration empowers users to synchronize their notes with a visual representation of time, facilitating effective time management and task scheduling. Whether setting deadlines, marking milestones, or aligning notes with specific dates, the integrated calendar serves as a central hub for orchestrating workflow. The result is a harmonized approach to task prioritization and project timelines. These key features represent a paradigm shift in how teams approach collaborative work and time management. By amalgamating task assignment, note-sharing, and calendar synchronization, the system transcends traditional note-keeping boundaries. It empowers individuals and teams to not only capture ideas but also to actively collaborate, track progress, and navigate project timelines with precision.

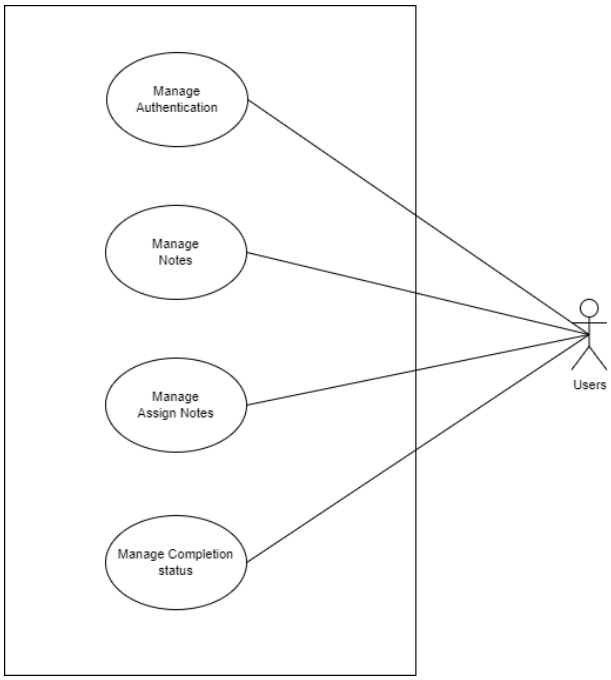
In an era where effective collaboration and efficient time utilization define success, the Notes Management System emerges as a catalyst for streamlined workflows and enhanced productivity.

2.0 System Design (ERD, Use Case)

2.1 ERD



2.2 Use Case



3.0 Development Software, Language, Technology and Tools (provide URL)

3.1 Development Software

- Visual Studio Code

3.2 Language

- JavaScript
- HTML
- CSS
- PHP

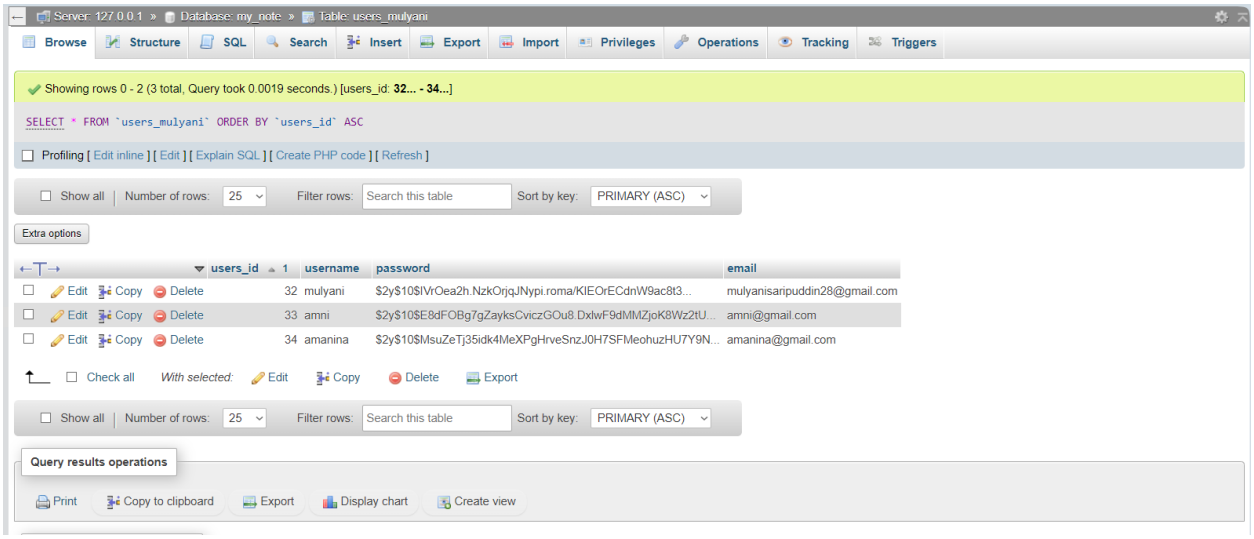
3.3 Technology and Tools

- MySQL
- MongoDB
- FileZilla

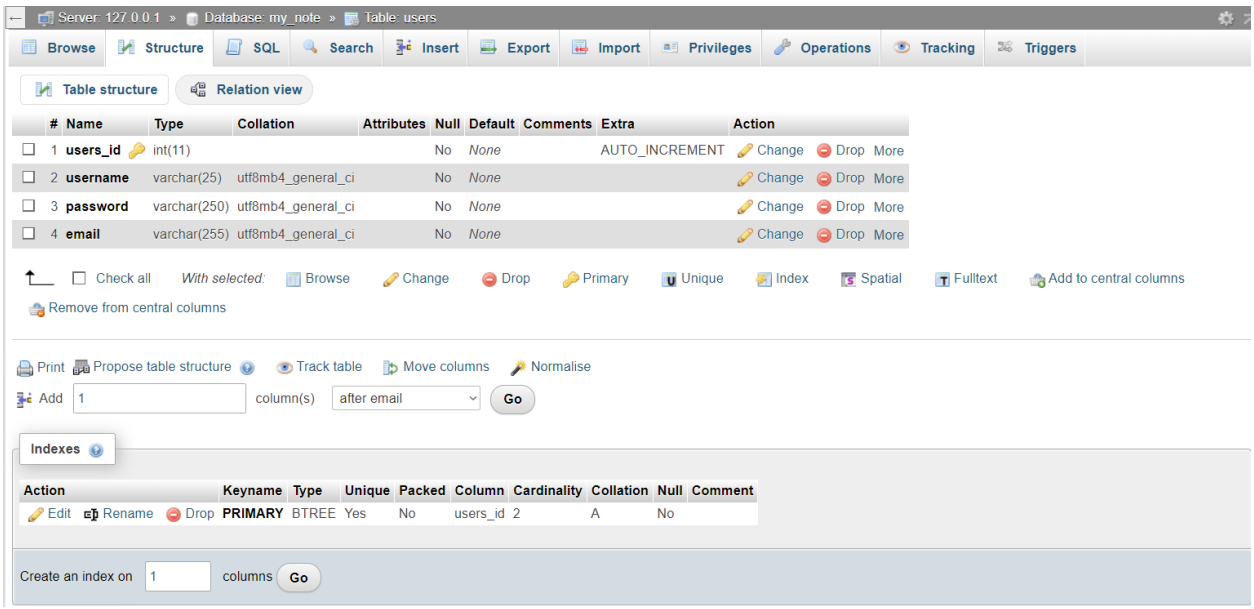
4.0 Database design (phpMyAdmin screenshot)

4.1 Table Users (users_mulyani)

4.1.1 Browse

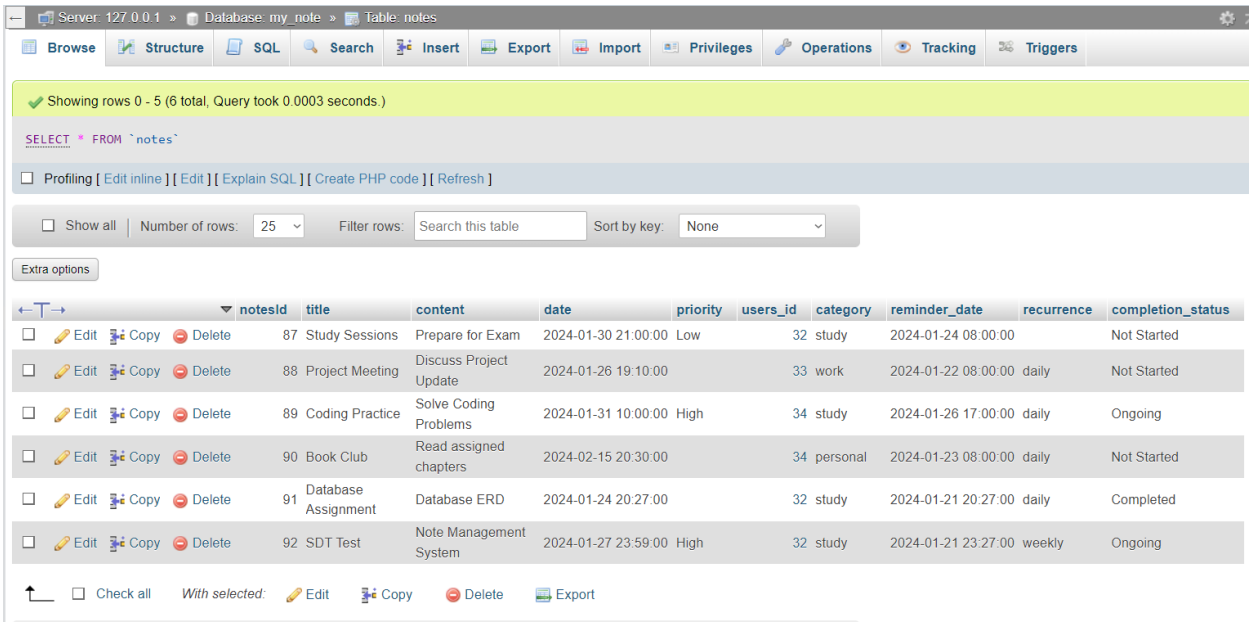


4.1.2 Structure

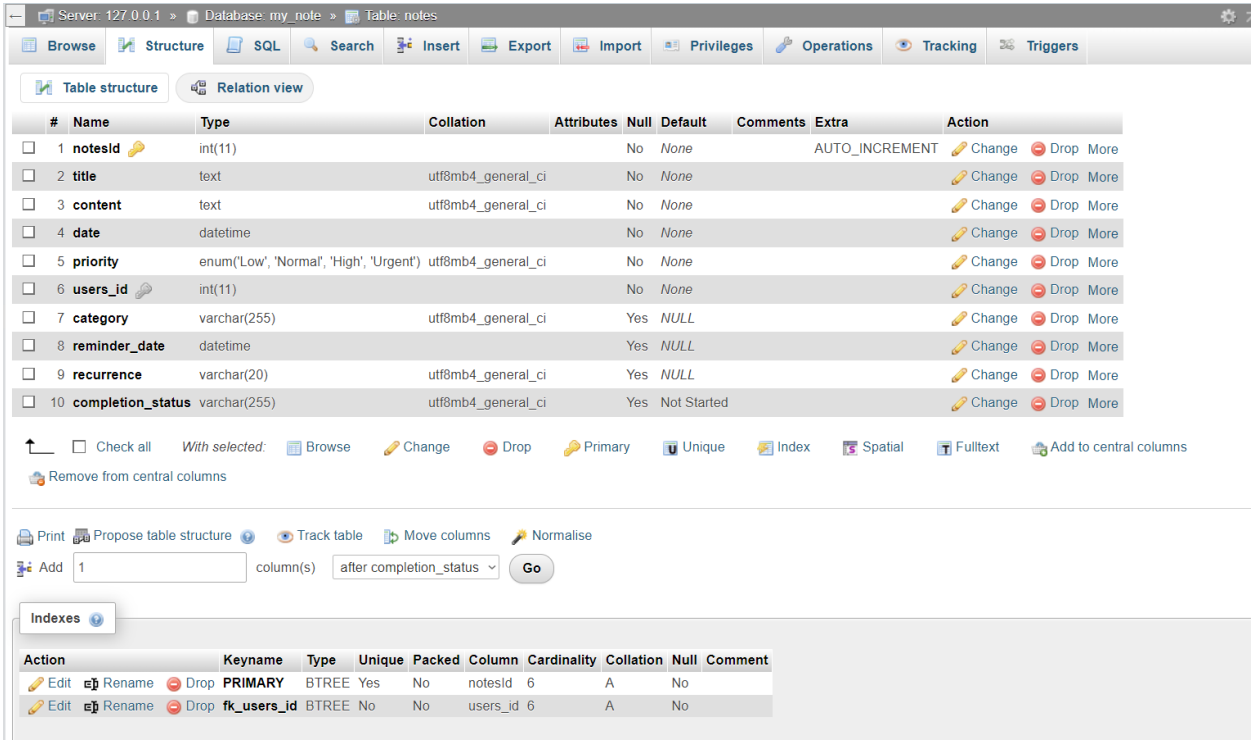


4.2 Table Notes (notes)

4.2.1 Browse

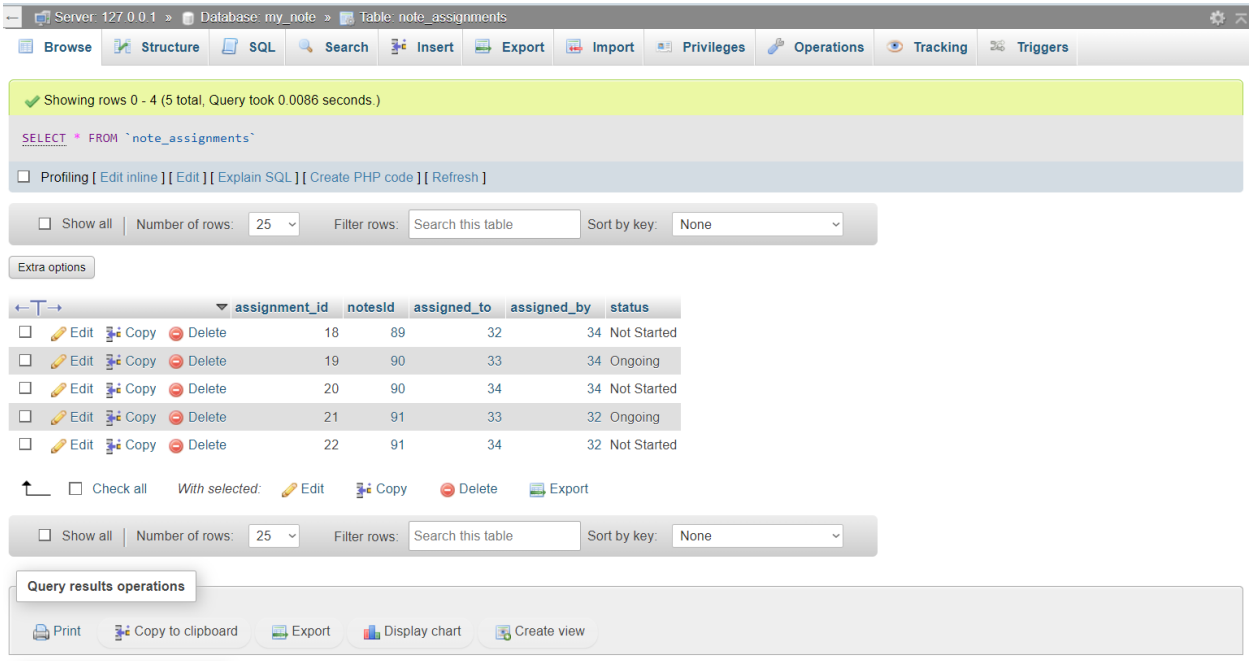


4.2.2 Structure

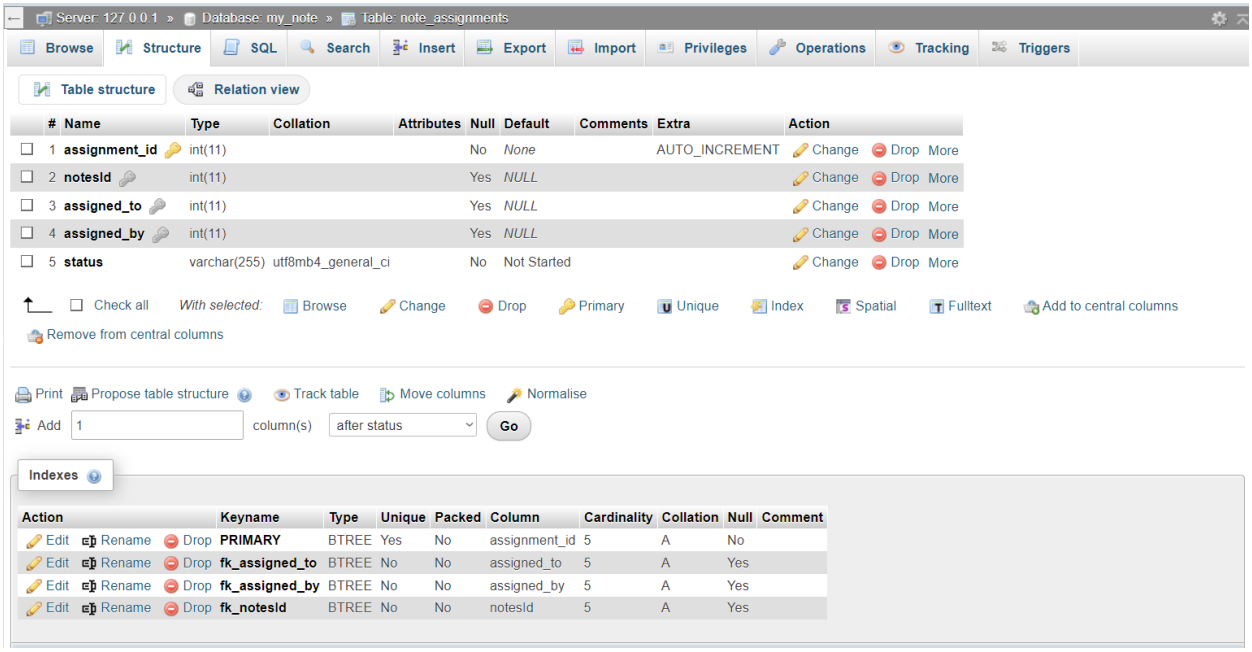


4.3 Table Note Assign (note_assignment)

4.3.1 Browse



4.3.2 Struct



5.0 Development Steps

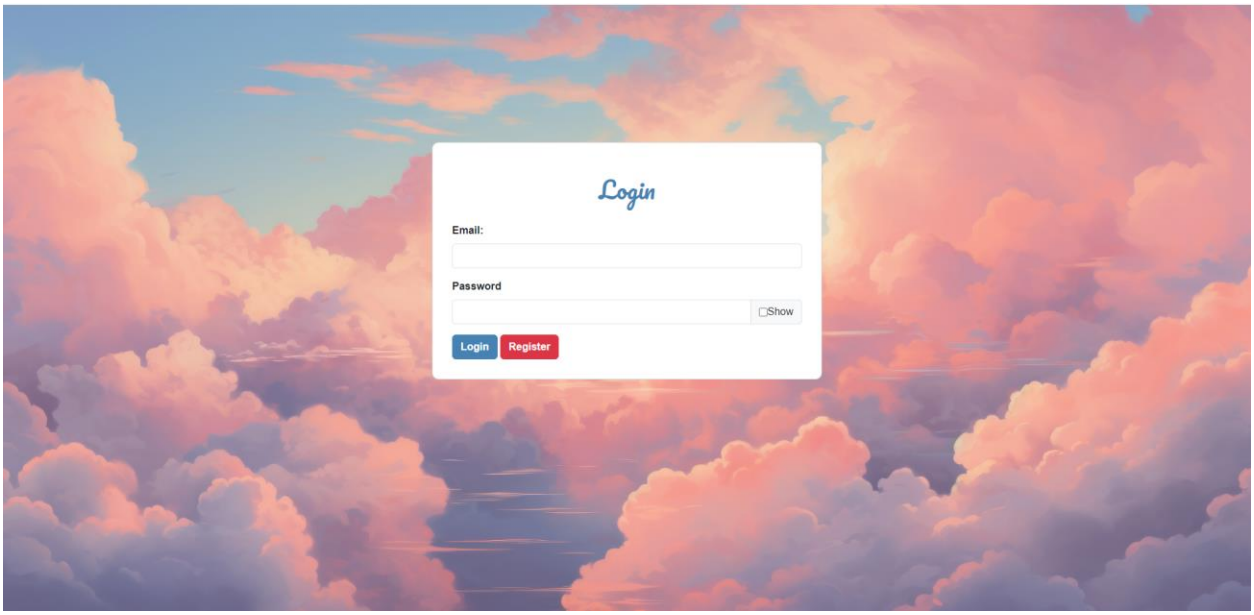
1. **Stakeholder Documentation Analysis:**
   - Thoroughly examine the documentation provided by stakeholders to understand their specific requirements and expectations for the Note Management System.
   - Identify key features, functionalities, and constraints outlined in the stakeholder document.
2. **Project Requirement Refinement & Planning:**
   - Collaborate with stakeholders to refine and clarify project requirements based on the stakeholder document.
   - Develop a comprehensive project plan, outlining timelines, resource allocations, and milestones.
3. **Design and Prototyping:**
   - Create a detailed system design, considering the refined requirements and stakeholder input.
   - Develop prototypes or mockups to visualize the system's layout, ensuring alignment with stakeholder expectations.
   - Facilitate stakeholder reviews and incorporate feedback into the design.
4. **Software Development:**
   - Implement the frontend using HTML, CSS, and JavaScript, adhering to the finalized design.
   - Develop robust backend functionalities using PHP to support collaborative features, note creation, assignment, and status tracking.

- Regularly communicate progress to stakeholders, ensuring alignment with their expectations.

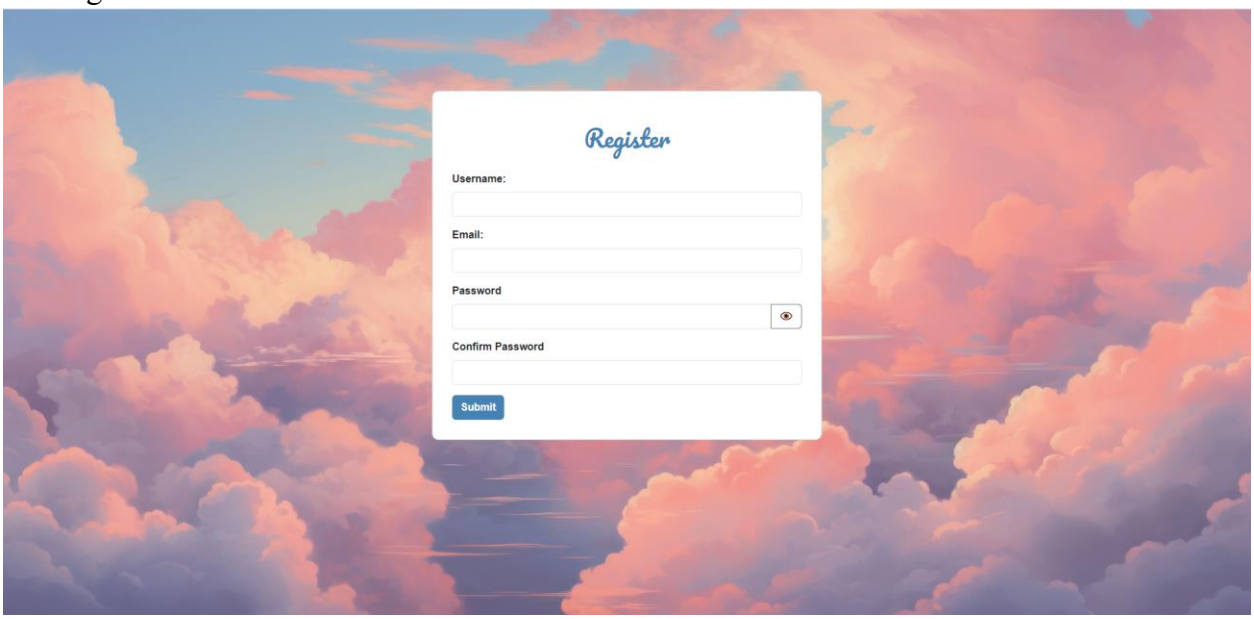
5. **Software Testing:**
   - Conduct rigorous testing, including unit testing and integration testing, to identify and rectify any defects.
   - Engage stakeholders in user acceptance testing to validate that the system meets their specified requirements.
6. **Deployment:**
   - Deploy the Note Management System to a live environment, making it accessible to users.
   - Perform post-deployment monitoring to identify and address any issues promptly.
7. **Maintenance and Updates:**
   - Establish a structured maintenance plan to address any post-deployment issues and bugs.
   - Implement updates and improvements based on ongoing stakeholder feedback and changing requirements.

6.0 System Interface for All Users

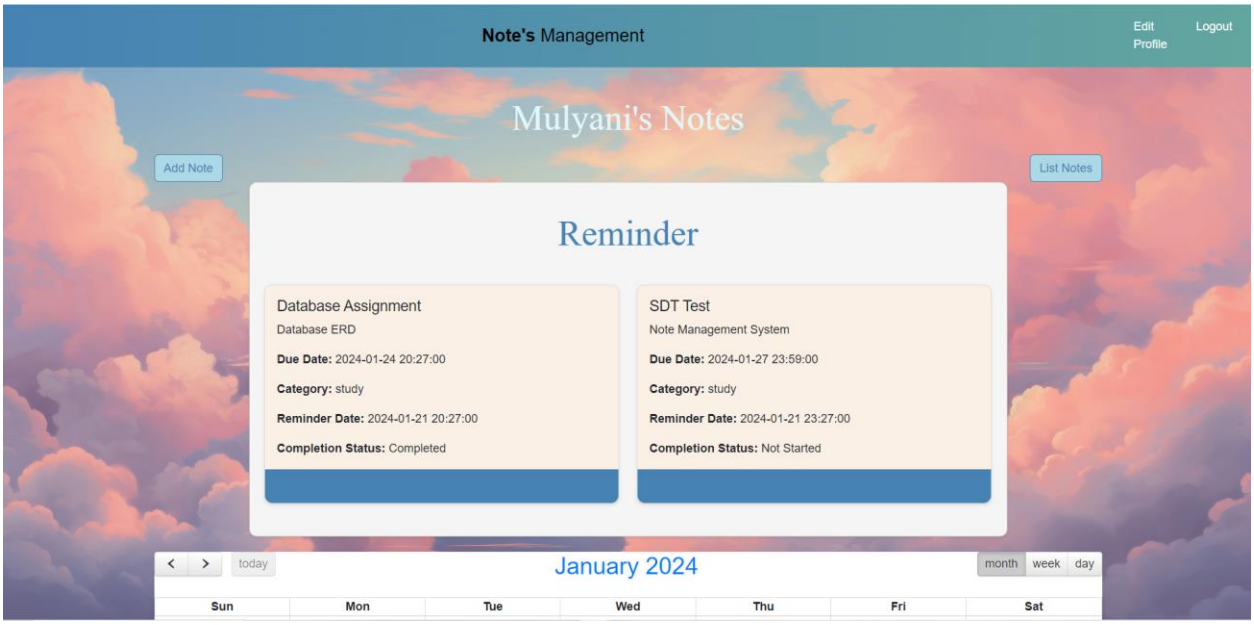
6.1 Login Page

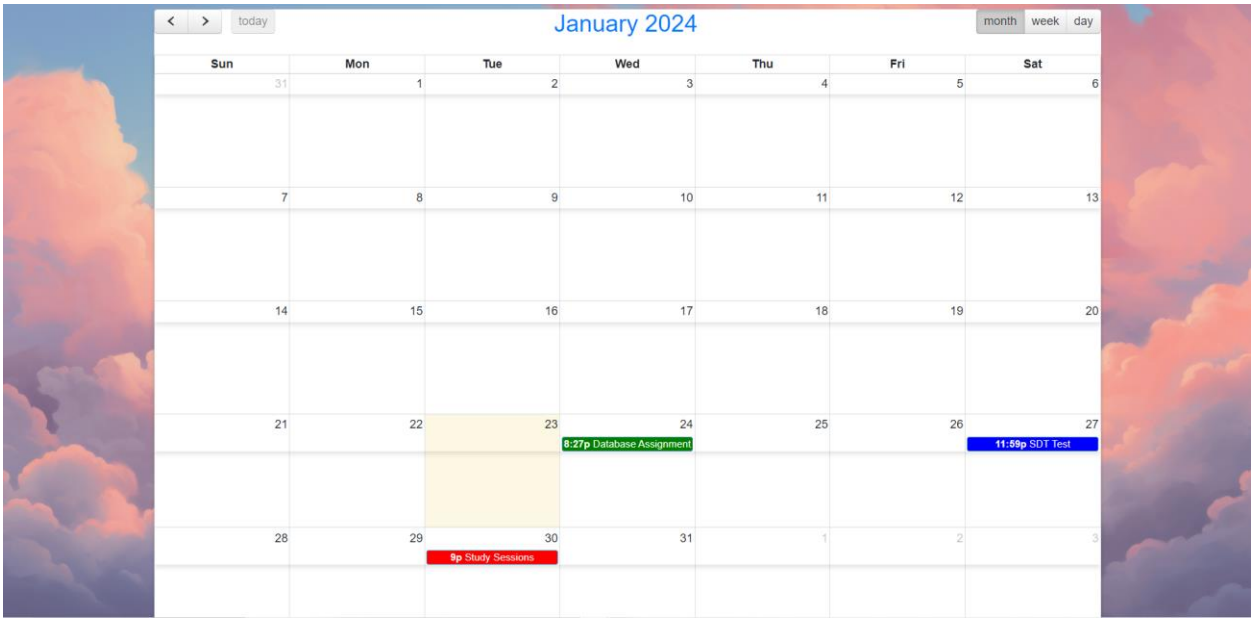


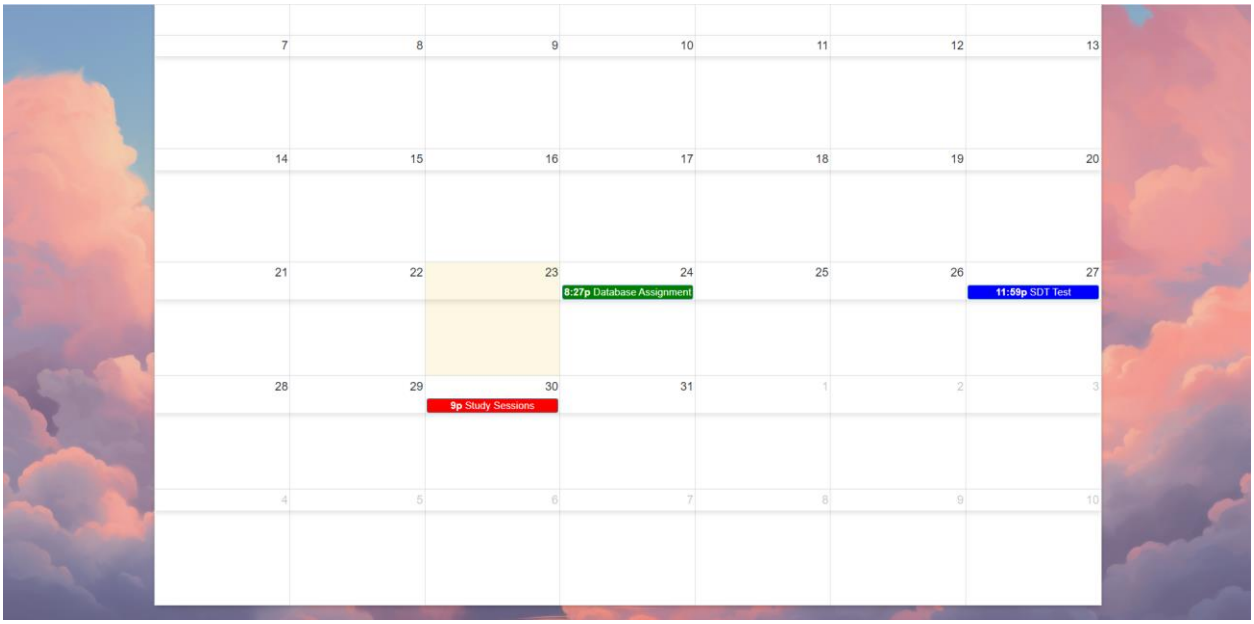
6.2 Register



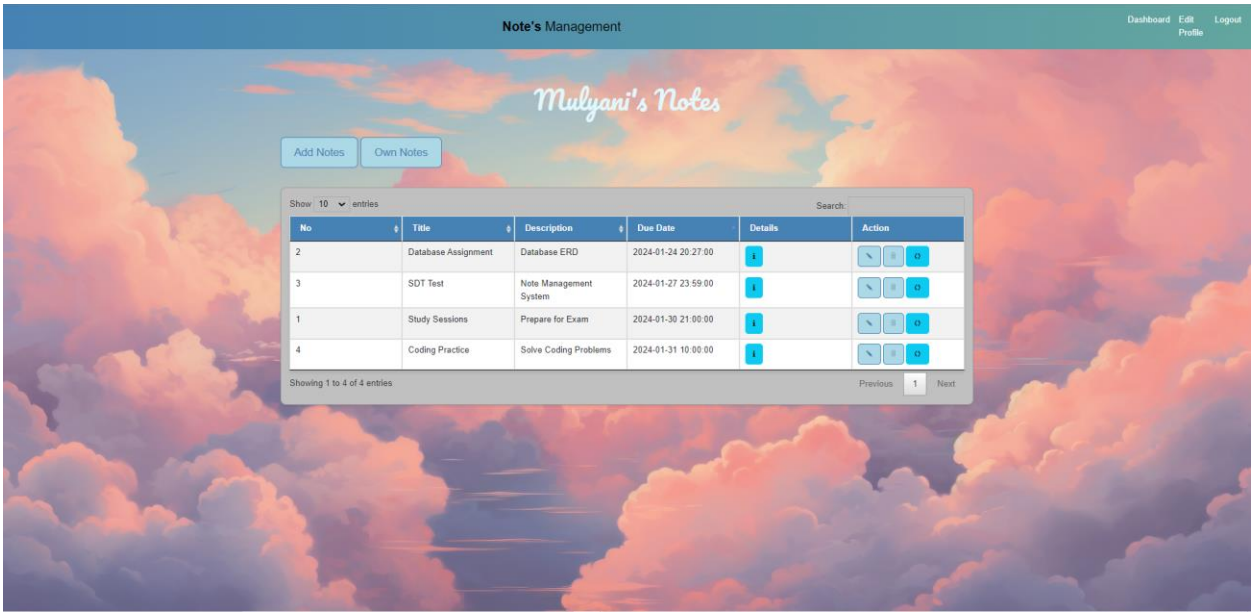
6.3 Dashboard





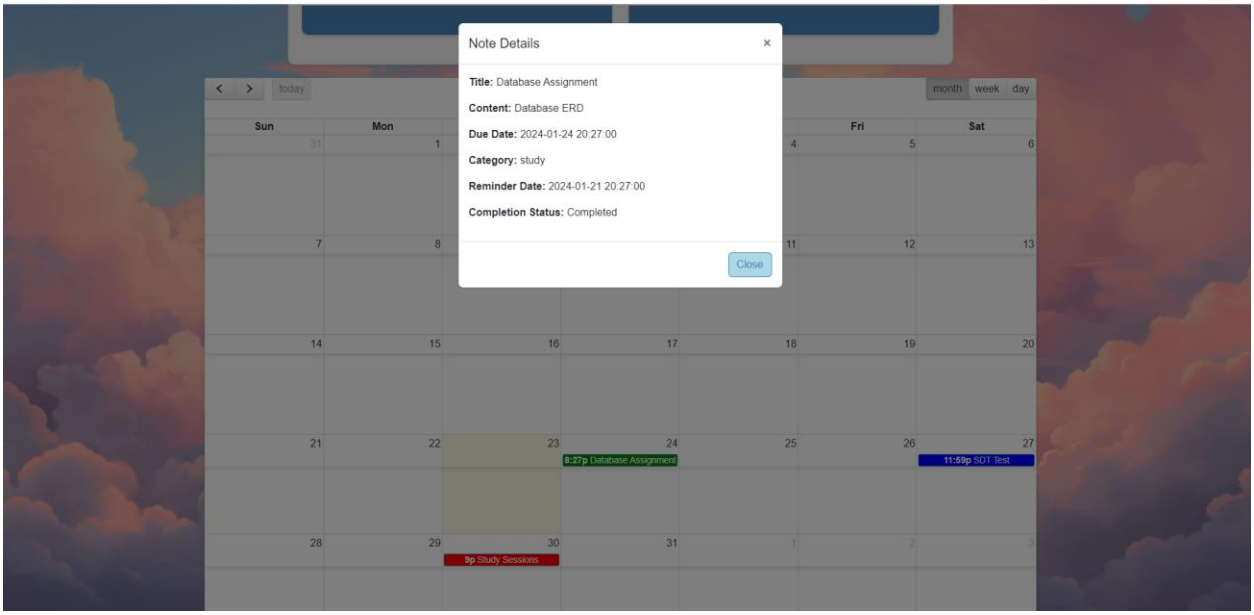


6.4 List Notes

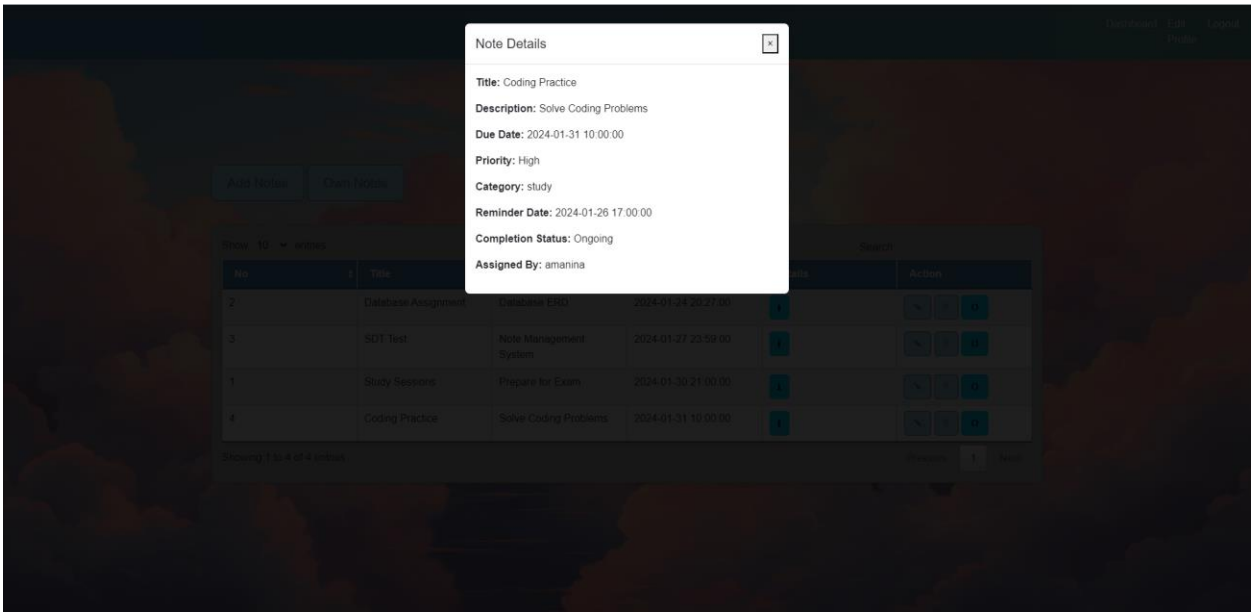


6.5 Details

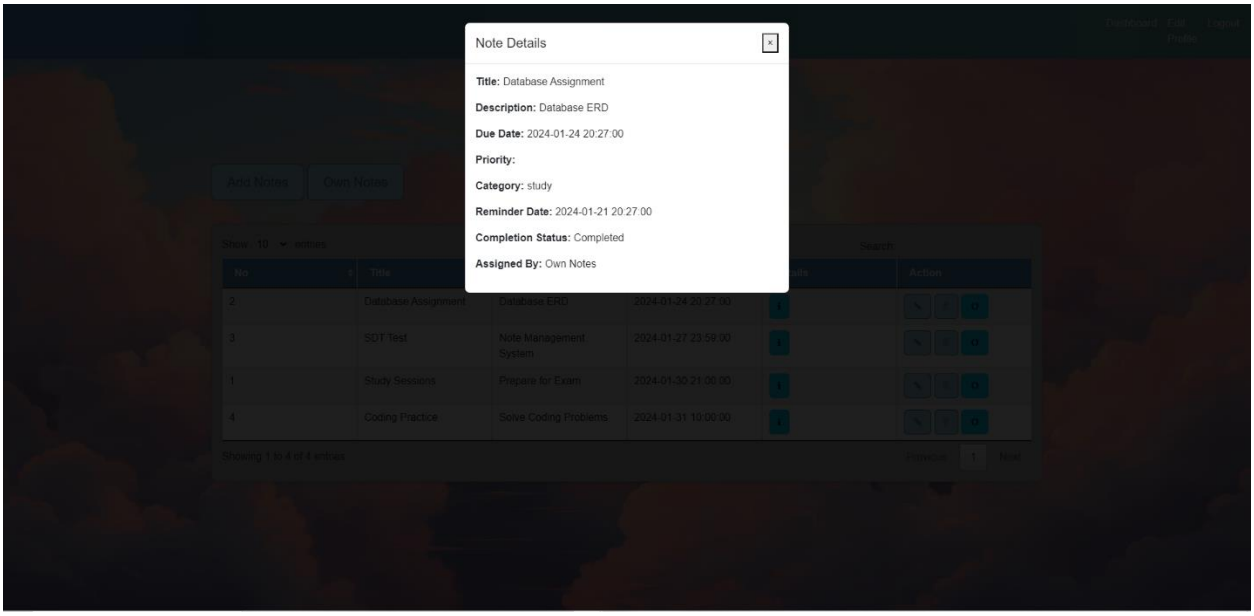
a) Details open from Dashboard Calendar



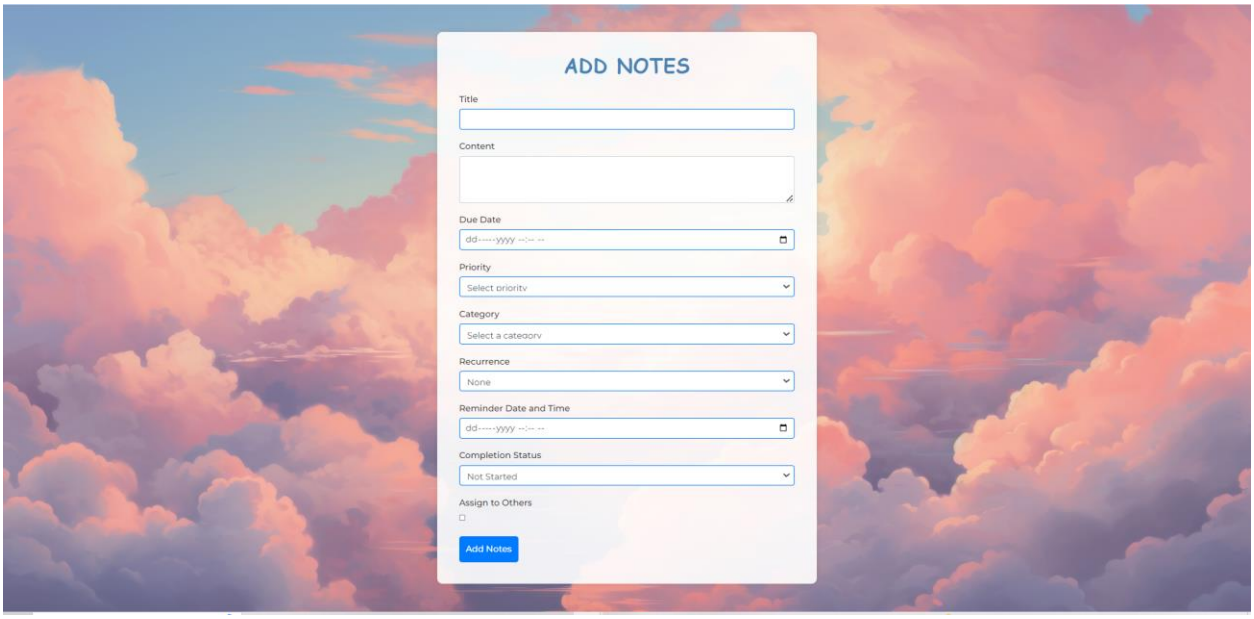
b) Details open from page List Notes (assigned by other user)



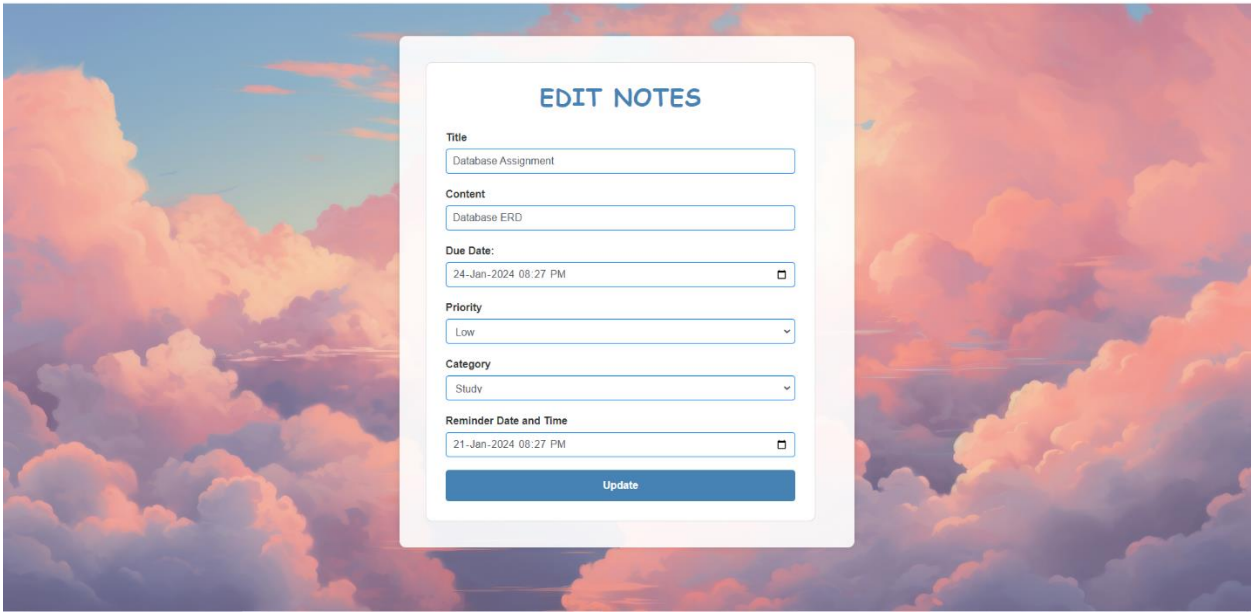
c) Details open from page List Notes (assigned by others user)



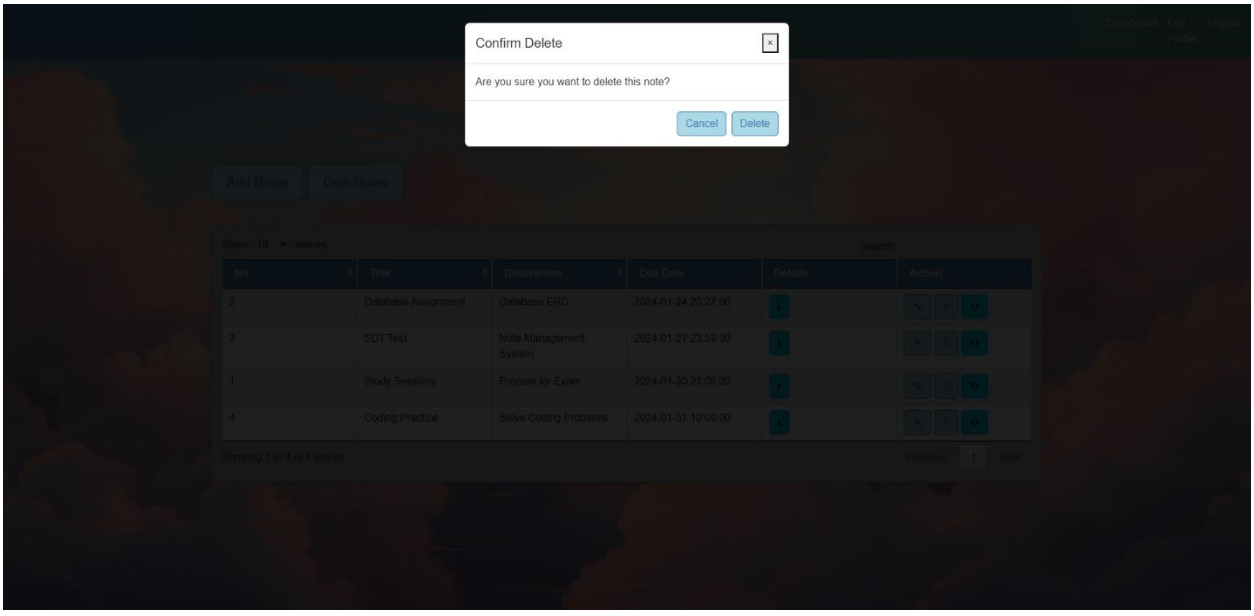
6.6 Add Notes



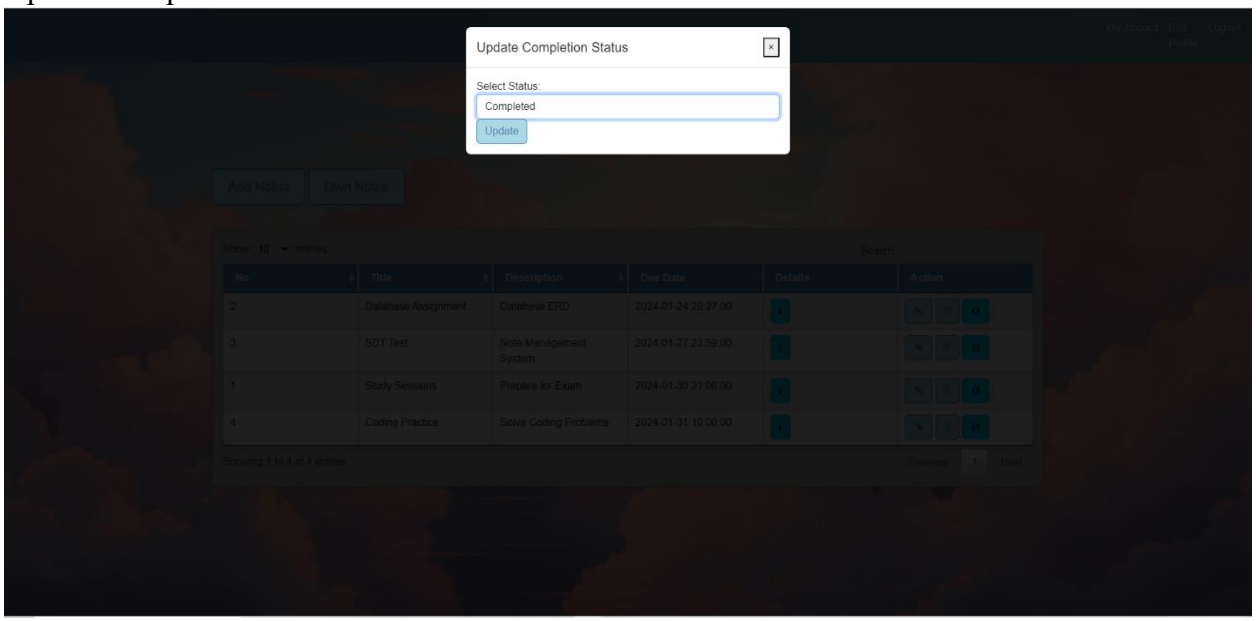
6.7 Edit Notes



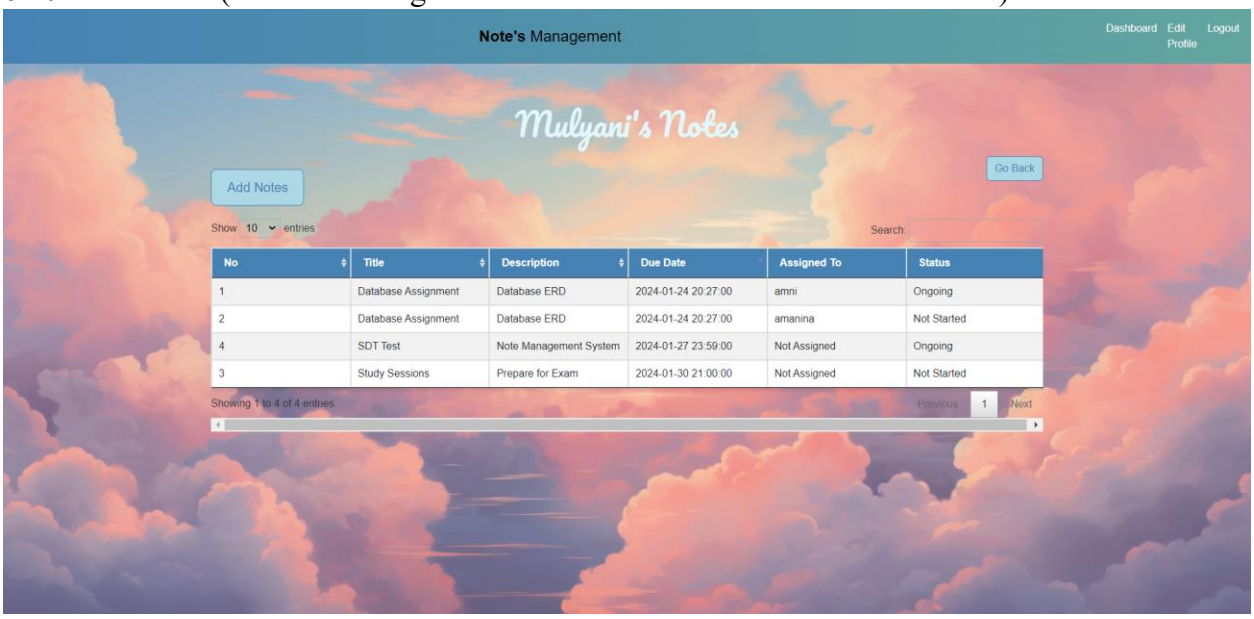
6.8 Delete Notes



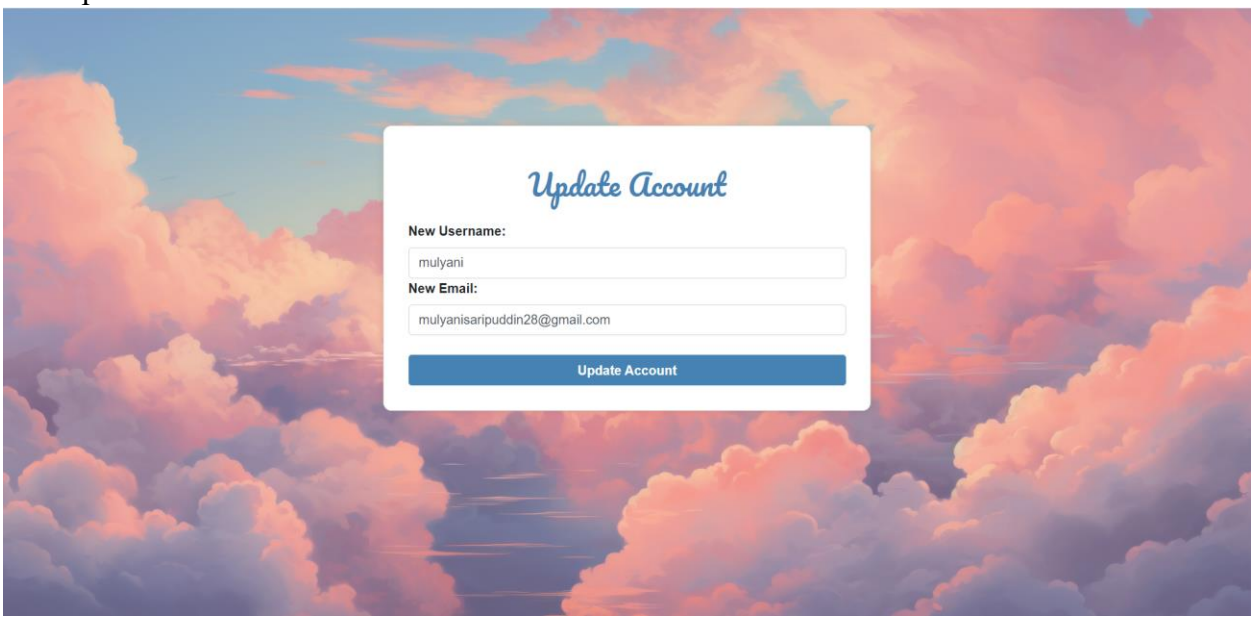
6.9 Update Completion Status



6.10 Own Notes (notes that assigned to other user or notes that the user create).



6.11Update Account



7.0 Localhost Setup

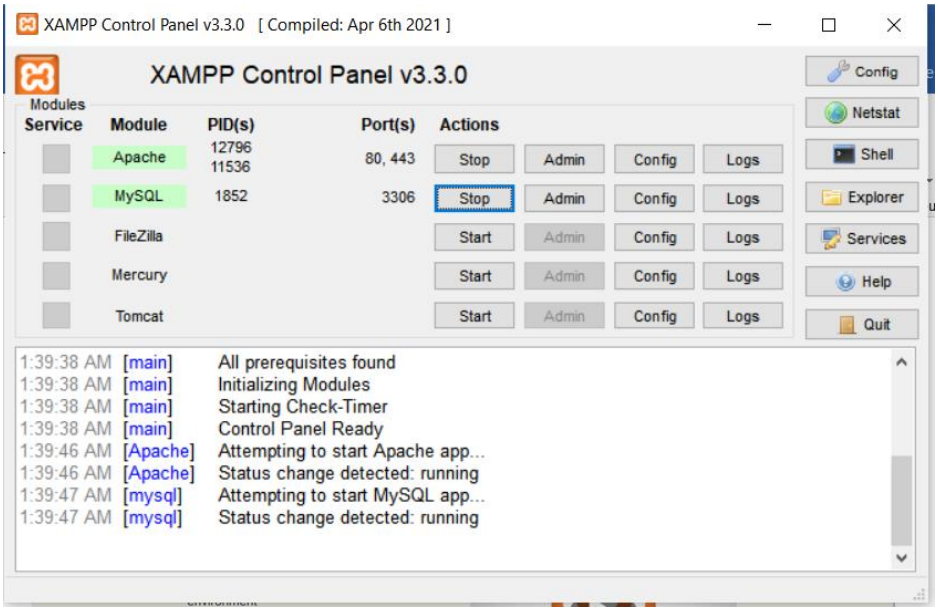
1. Visit the official XAMPP website

https://www.apachefriends.org/

2. Download the version XAMPP for Windows

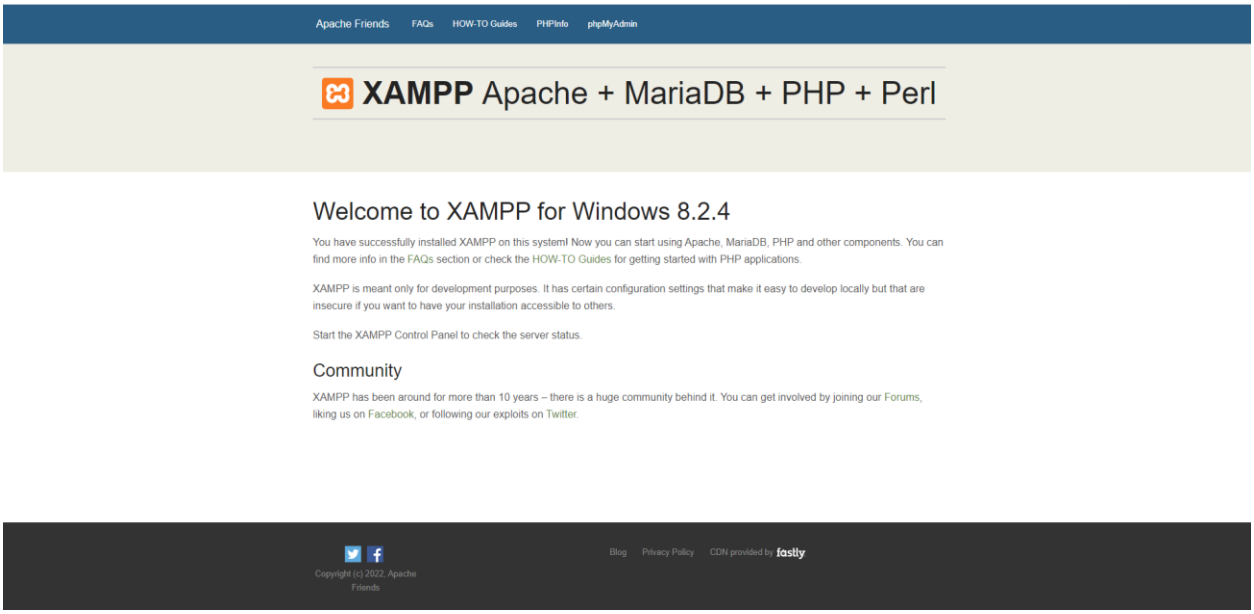
3. Start XAMPP

Start the Apache server by clicking the “Start” button next to Apache and MySQL.

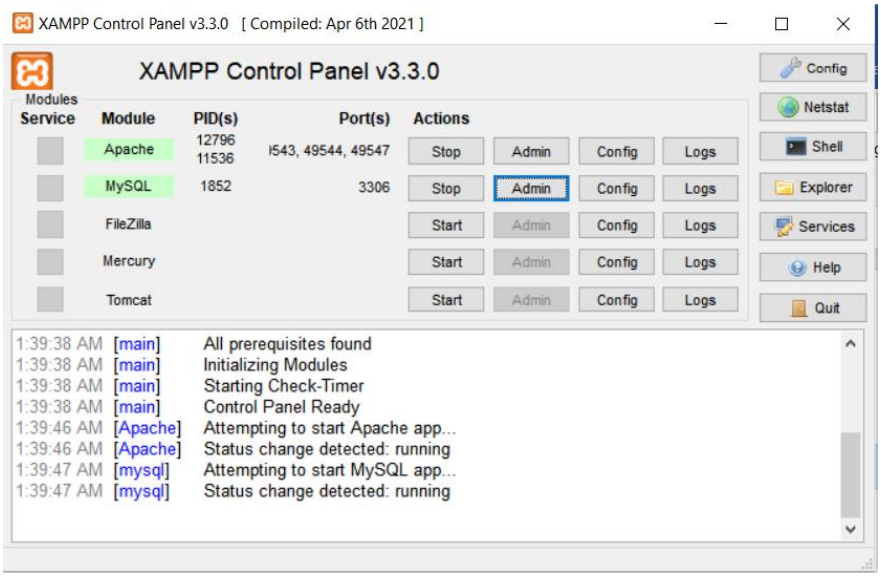


4) Open web browser and enter **http://localhost**

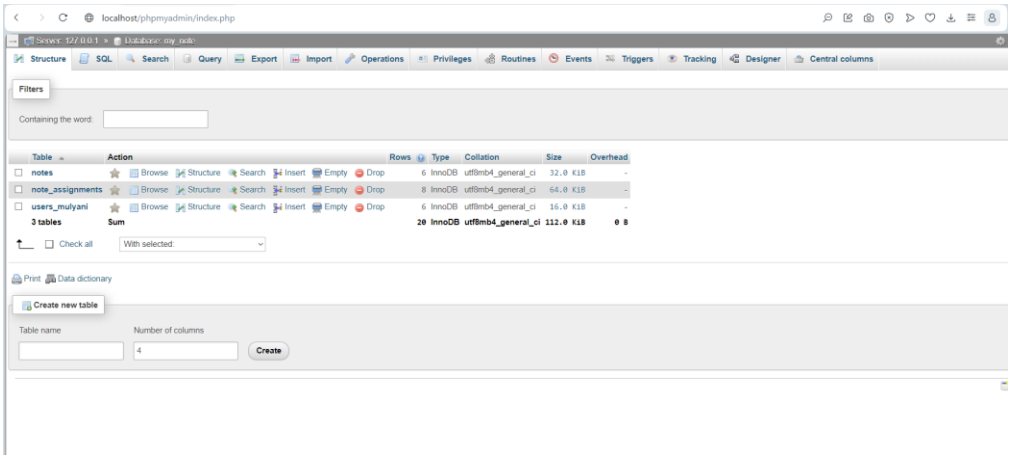
XAMPP welcome page



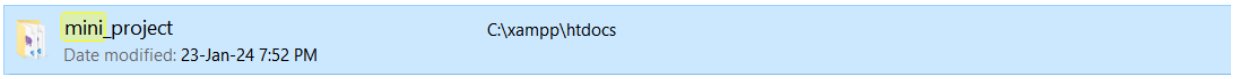
5) Click Admin button next to MySQL in the XAMPP control panel



6) Setup all the database table



7) Create file directory name mini_project



8) Open http://localhost/mini_project

8.0 URL

https://youtu.be/eA27jlwwmgM

9.0 User credentials

9.1 First User

Email : mulyanisaripuddin@gmail.com
Password: Ain_030622

9.2 Second User

Email : amanina@gmail.com
Password: amanina_030622