
**Tribhuvan University**

**Faculty of Humanities and Social Sciences**

**A PROJECT REPORT**

**ON**

# Assignment Submission System

## Submitted to Department of Computer Application

**D.A.V College**

***In partial fulfillment of the requirements for the Bachelors in Computer Application***

Submitted by

Himal Subedi

[6-2-469-161-2020]

Under the Supervision of
**Er. Pralhad Chapagain**

August 2023

# Tribhuvan University

**Faculty of Humanities and Social Sciences**

**D.A.V College**

## Supervisor's Recommendation

I hereby recommend that this project prepared under my supervision by HIMAL SUBEDI entitled "**ASSIGNMENT SUBMISSION SYSTEM"** in partial fulfillment of the requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

.....

Er. Pralhad Chapagain
SUPERVISOR

Lecturer

The Department of Bachelors in Computer Application

Jawalakhel ,Lalitpur

# Tribhuvan University

**Faculty of Humanities and Social Sciences**

**D.A.V College**

## LETTER OF APPROVAL

This is to certify that this project prepared by HIMAL SUBEDI entitled "**ASSIGNMENT SUBMISSION SYSTEM**" in partial fulfillment of the requirements for the degree of Bachelor in Computer Application has been evaluated. In our opinion it is satisfactory in the scope and quality as a project for the required degree.

| | |
|---|---|
| ..... | ..... |
| Er. Pralhad Chapagain,<br>Lecturer<br>Department of Bachelors in Computer Application<br>Jawalakhel, Lalitpur | Mr Sudip Adhikari, H.O.D<br>Department of Bachelors in Computer Application<br>Jawalakhel, Lalitpur |
| **Internal Examiner** | **External Examiner**<br>Er. Kumar Professor<br>Asst. Professor<br>Tribhuvan University |

# ACKNOWLEDGEMENT

In the pursuit of project completion, numerous individuals have extended their benevolent blessings and unwavering support. It is with sincere appreciation that I seize this moment to extend my heartfelt gratitude to each contributor.

I am profoundly indebted to Tribhuvan University for affording this remarkable opportunity. My gratitude extends to DAV College for fostering an environment conducive to learning and providing the requisite infrastructure. I also wish to acknowledge Mr. Sashi Bhusan Chaturvadi, the BCA Department Coordinator, and Mr. Sudip Adhikari, our esteemed Department Head.

The indispensable guidance of Er. Pralhad Chapagin has been a cornerstone, providing unwavering support and insightful direction throughout every project phase. This collaborative effort has undoubtedly shaped the project's success.

Lastly, I am compelled to express my heartfelt thanks to my parents and classmates whose unwavering support and assistance have been a constant throughout my journey in developing this project.

**With Regards**

Himal Subedi

TU Registration No: 6-2-169-161-2020

# ABSTRACT

This project is concerned with developing a web-based application designed to streamline the assignment submission process in educational institutions. This system provides students and educators with a centralized platform for submitting and viewing assignments. It aims to enhance efficiency, accessibility and organization in the assignment submission process.

This project includes various functionalities like user management, subject management, assignment management and viewing of submitted assignment for the admin and feature of downloading assignment questions and uploading assignment in a pdf format for the student. Tools like XAMPP, Visual Studio Code, Web Browser are used in the development of this project. This project enhances the Assignment Submission process.

Keywords: *Web-based Application, XAMPP, Visual Studio Code, Assignment Submission Process*

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# LIST OF ABBREVIATIONS

| | | |
|---|---|---|
| CSS | - | Cascading Style Sheet |
| DFD | - | Data Flow Diagram |
| ER | - | Entity Relationship Diagram |
| HTML | - | Hypertext Markup Language |
| IDE | - | Integrated Development Environment |
| JS | - | JavaScript |
| PHP | - | Hypertext Pre-Processor |
| SQL | - | Standard Query Language |
| VS | - | Visual Studio |

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# CHAPTER-1 INTRODUCTION

## 1.1 Introduction

Assignments Submission system is a comprehensive online platform that streamlines the process of submitting assignment. It is an efficient and organized system that ensures that student submit their assignment within the deadline given by the admin. Since student can submit their assignment electronically this system provides students with the convenience of submitting their assignments from anywhere with an electronic device and an internet connection eliminating the need for physical submissions or being constrained by specific place. An effective assignment submission system is an essential tool for any educational organization that seeks to enhance its efficiency and effectiveness.

## 1.2 Problem Statement

Despite the significance of assignments in students' academic journey, many educational institutions still rely on the traditional method of physical assignment submission. However, this approach presents several challenges. Firstly, there is a risk of delays or lost submissions due to mishandling of physical documents. This can cause frustration for both students and teachers. Secondly, the limited submission locations and times restrict students' ability to submit assignments promptly, particularly during unexpected situations. Finally, manual handling of assignments raises security and confidentiality concerns, including unauthorized access and document loss.

The assignment submission system has been developed as a solution to the aforementioned challenges. By providing an online portal, the system ensures storage of students' assignments and their respective submission dates in a centralized database which eliminates the problem of lost submissions due to mishandling of documents. Furthermore, the system offers the convenience of anytime, anywhere access, enabling users to submit assignments using a computing device and an internet connection, thereby eliminating geographical constraints. Only the user with admin privileges which is verified by a username and password, can have access to the submitted assignment which eliminates security, confidentiality concerns and unauthorized access.

## 1.3 Objectives

The developed project helps student to submit their assignment electronically. Which eliminates the need for physical submission. So, the main objective of this project is:

- To develop a web-based Assignment Submission System

## 1.4 Scope and Limitations

The Assignment Submission System can be used in educational institutions such as colleges and universities, where students are required to submit assignments regularly. The system can be implemented in both traditional classroom settings and online learning environments, facilitating seamless assignment submission and viewing Additionally, it can be customized to meet the specific needs of different educational institutions, ensuring streamlined and organized assignment submission processes. Limitation of the project is:

- Admin won’t be able to know if student has viewed the given assignment

## 1.5 Report Organization

Chapter 1: This chapter provides an overview of the Assignment Submission System project, including its objectives and significance.

Chapter 2: This chapter explores existing systems and research related to assignment submission to gain insights and knowledge.

Chapter 3: This chapter focuses on analyzing requirements and designing the Assignment Submission System.

Chapter 4: This chapter covers the implementation and testing phases of the Assignment Submission System.

Chapter 5: The final chapter summarizes the project's outcomes and presents recommendations for future enhancements.

# CHAPTER 2: BACKGROUND STUDY AND LITERATURE REVIEW

## 2.1 Background Study

To ensure the development of an effective and user-friendly assignment submission system, it is important to consider the perspectives of both students and educators. Gathering insights from their experiences with the traditional submission process, including their expectations, preferences, and pain points, can inform the design and functionality of the digital system. Factors such as submission deadlines, assignment storage and document formatting requirements are taken into consideration to create a system that caters to the needs of all users involved.

Overall, the background study reveals the need for a digital assignment submission system that addresses the limitations of the traditional process and aligns with the evolving educational landscape. By leveraging technological advancements and understanding the context of assignment submission, an effective and user-friendly solution can be developed to streamline the process, improve assignment storage, and enhance the overall experience for students and educators.

## 2.2 Literature Review

schoolwork is a website that allows its partner college access to its features. Students and teachers get access to its services through a login system. After the students have logged in, they can view the assignment and notices that the teacher has updated. School works pro is more of a school management system than an assignment submission system. Although it has a feature to submit assignment it also has features of fee payment, books management, library management and students can even send message with each other using this web application. Teachers can also put notices and put-up list of upcoming events to view for the student [1].

Google Classroom [2] is an innovative online platform developed by Google that revolutionizes the way teachers and students interact in the digital learning environment. It provides educators with a centralized hub to create, distribute, and grade assignments, while enabling students to access learning materials, submit their work, and collaborate with peers. [3]

# CHAPTER 3: SYSTEM ANALYSIS AND DESIGN

## 3.1 System Analysis

System analysis involves a comprehensive evaluation of the assignment submission system to identify its functional and non-functional requirements, analyze user needs, and ensure efficient system performance. Through systematic examination and modeling of the assignment submission system, system analysis aims to understand the existing processes, data flow, and user interactions to design an optimal and user-friendly solution.

### 3.1.1 Requirement Analysis

Requirement analysis encompasses the identification and documentation of both functional requirements, which define the system's desired functionality, and non-functional requirements, which specify the system's performance, usability, and other quality attributes. It also includes various diagrammatic figures that lets us understand the core backbone of the system and how it functions.

**i. Functional Requirement**

Functional requirements are crucial for a project as they define the specific features and behaviors the system must have to meet user needs and project goals. They serve as a roadmap for development, ensuring the system delivers the desired functionalities and outcomes. The functional requirements for this project are as follows:

i. User Login: To validate user from their username and password, and to redirect them to either admin page or the student page.

ii. Upload/Download: To allow both the admin and student to upload/ download required documents in order for the assignment management system to function.

iii. Management Modules: To manage various modules of the system by the admin like user, subject and assignment.

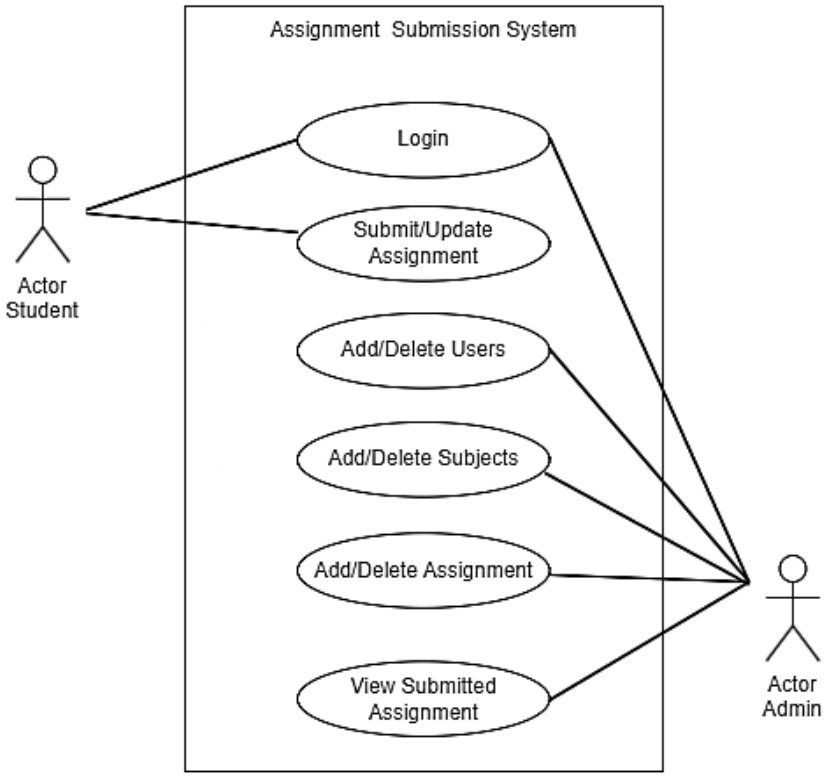



Figure 3. 1 Use Case Diagram

**ii. Non-Functional Requirement**

Non-Functional Requirement specifies criteria that can be used to judge the operation of the system. Unlike functional requirement these are non- lethal but having these requirements will make the project more successful. The non-functional requirement in this project are:

a. Usability: The system should have a user-friendly interface that is intuitive and easy to navigate, allowing users to submit assignments without confusion or difficulty.

b. Reliability: The system should be reliable and available for use at all times, minimizing any downtime or disruptions in service.

### 3.1.2 Feasibility Analysis:

#### i. Technical feasibility

The assignment submission system will be made using the following technically available resources:

A. For fronted use:

i. HTML

ii. CSS

B. For backend and data storage:

i. PHP

ii. JavaScript

iii. MySQL

As the above mention technology is easily available and are more than enough for the project's need. This project is technically feasible.

#### ii. Operational feasibility

Operational Feasibility is measured in how well the project will support the customer and the service provider in its operational phases. This assignment submission system supports both the teacher and student and makes the process of submitting and viewing assignment more convenient and easier.

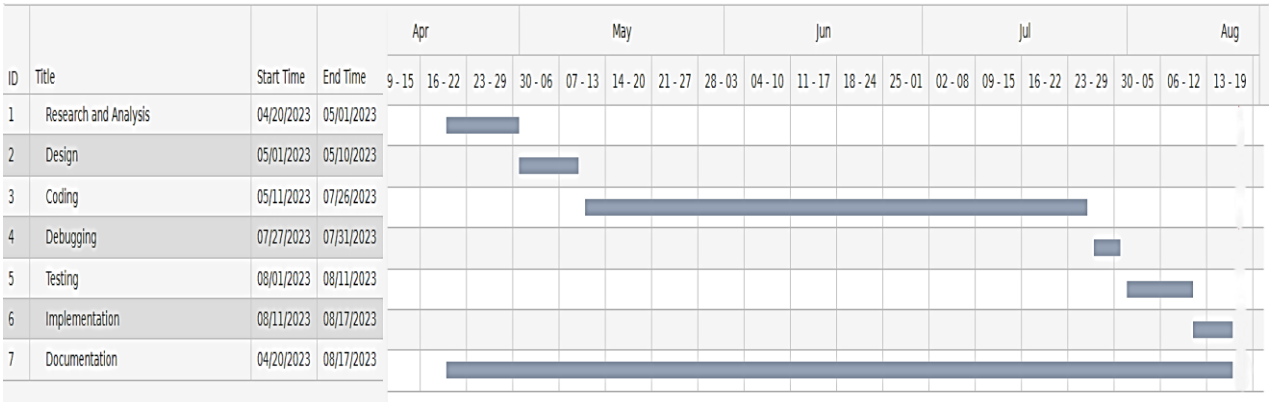
#### iii. Economic feasibility

An assignment submission system can result in significant economic benefits for educational institutions. First, it can reduce administrative costs associated with manual handling of physical documents, such as printing, mailing, and storing paper assignments. Second, it can enhance productivity and streamline workflow, allowing teachers, supervisors, and administrators to focus on more high-value tasks. Third, it can increase accessibility and convenience for students, allowing them to submit assignments remotely from anywhere with an internet connection, reducing potential travel and time-related costs. Overall, implementing an effective assignment submission system can provide a strong

return on investment for educational institutions and businesses, making it an economically feasible solution

### iv. Scheduling Feasibility:

This includes the project schedule and time allocated for their completion. The Gantt chart for the project is :




| ID | Title | Start Time | End Time |
|---|---|---|---|
| 1 | Research and Analysis | 04/20/2023 | 05/01/2023 |
| 2 | Design | 05/01/2023 | 05/10/2023 |
| 3 | Coding | 05/11/2023 | 07/26/2023 |
| 4 | Debugging | 07/27/2023 | 07/31/2023 |
| 5 | Testing | 08/01/2023 | 08/11/2023 |
| 6 | Implementation | 08/11/2023 | 08/17/2023 |
| 7 | Documentation | 04/20/2023 | 08/17/2023 |

Figure 3. 2 Gantt Chart

### 3.1.3 Data Modeling

Data modeling is a crucial process in software development that involves creating a conceptual representation of data and its relationships within a system. It helps to organize and structure data in a way that facilitates efficient storage, retrieval, and manipulation. By defining data entities and attributes. The er diagram for the project is in figure 3.3

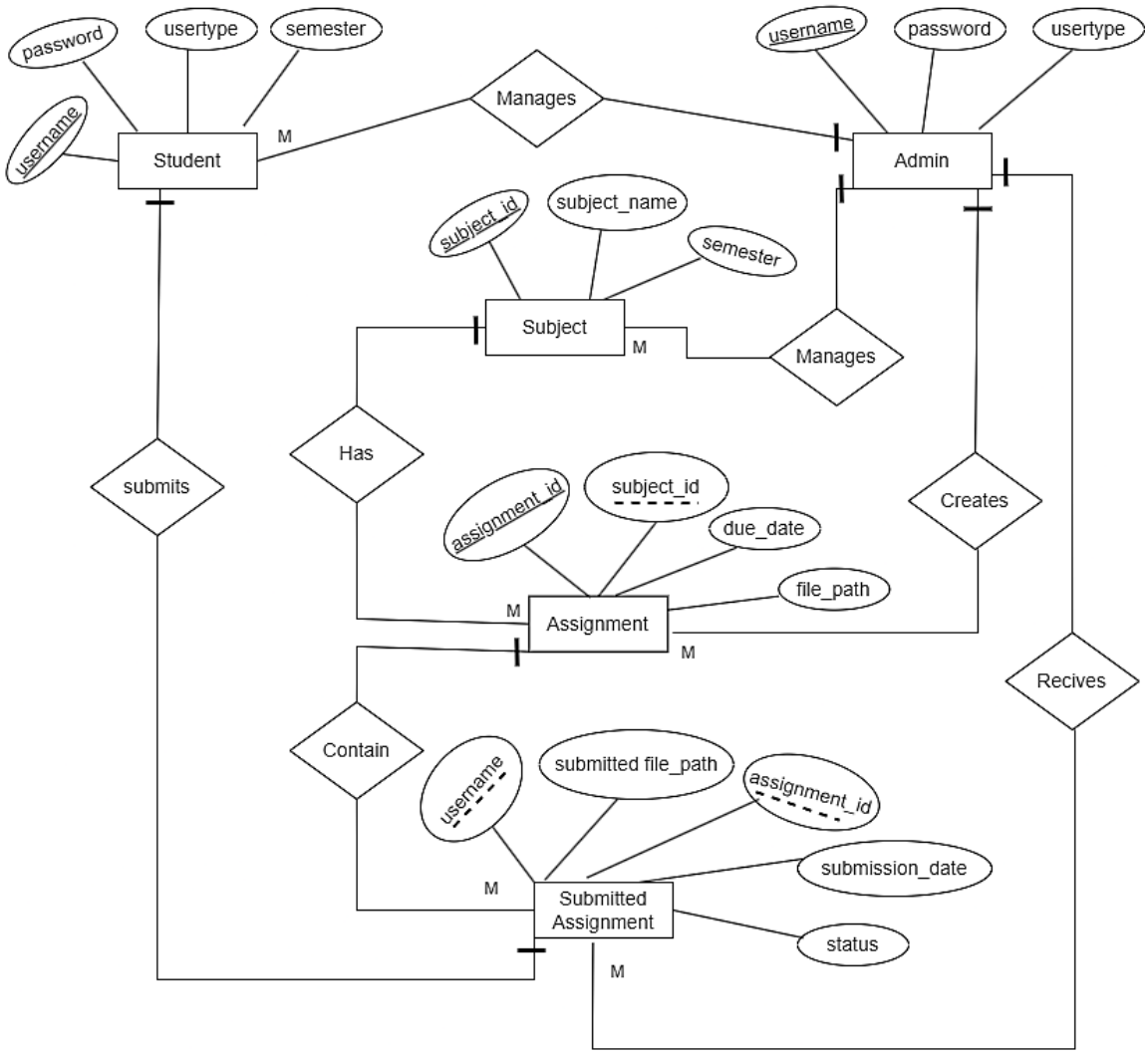



Figure 3. 3 ER Diagram

### 3.1.4 Process Modeling:

Process modeling is the practice of creating visual representations that depict the sequence of activities, decisions, and interactions within a system The level 0 and Level 1 Data Flow Diagram for the project is in figure 3.4 and figure 3.5 respectively.

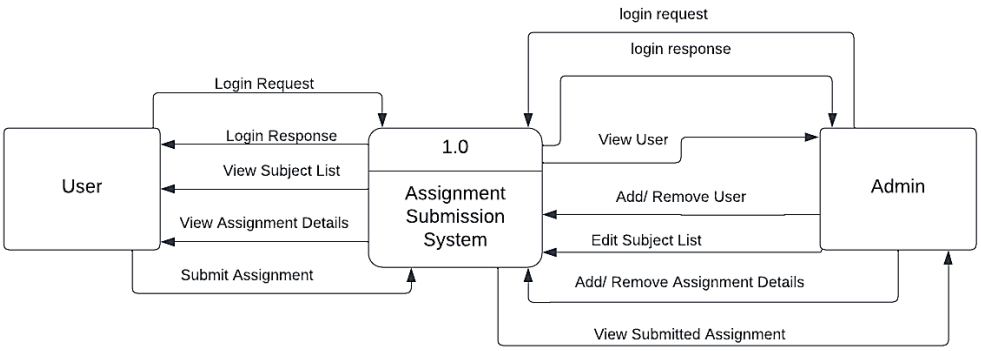



Figure 3. 4 Level 0 Data Flow Diagram

The Level 0 Data Flow Diagram provides a clear picture of how the data flows back and forth from admin and user to the assignment submission system. Users engage in tasks like logging in, browsing subject lists, and submitting assignments, all receiving relevant responses. Similarly, admins execute actions like logging in, overseeing users, making user changes, updating subjects, managing assignments, and reviewing submitted work. The system ensures that each request is met with an appropriate response, facilitating seamless operation.

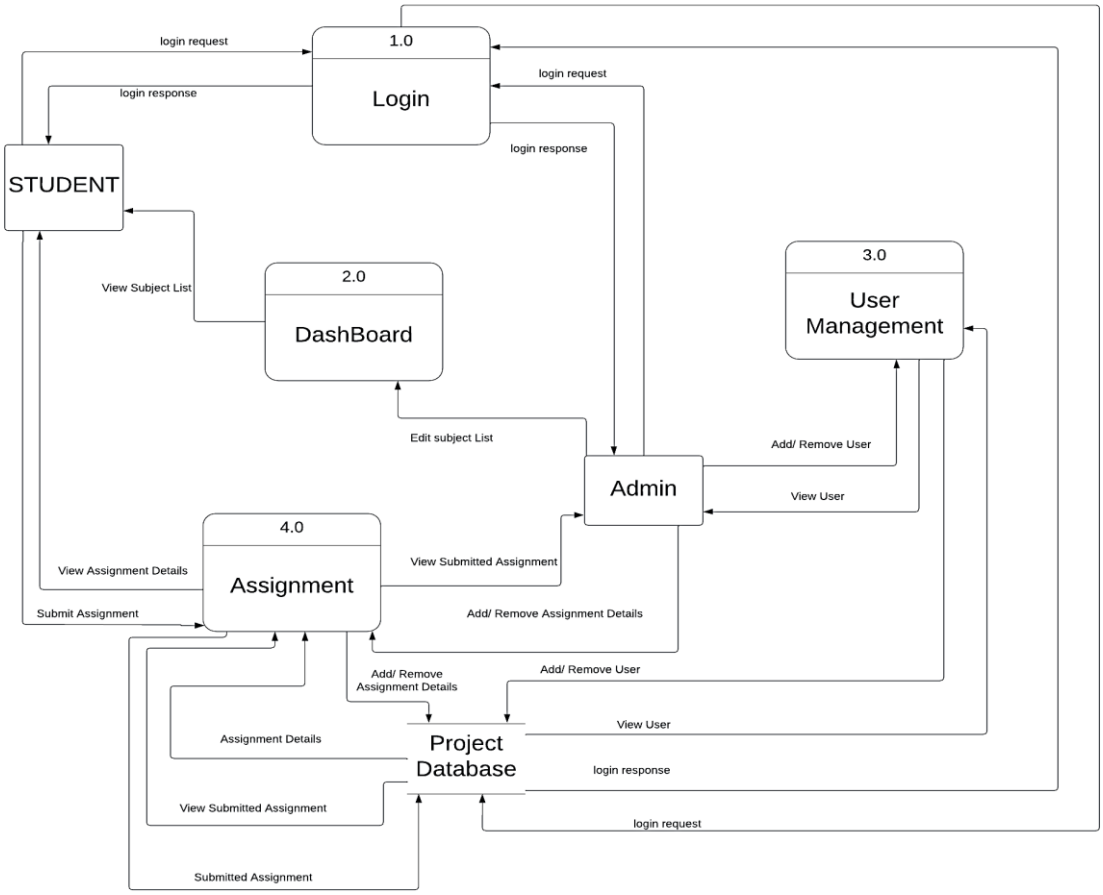



Figure 3. 5 Level 1 Data Flow Diagram

The level 1 DFD shows the various processes inside the assignment management system in detail. It shows how the data flows throughout the system and how each and every process communicate with each other and the database for the system as a whole to function properly and complete its intended use.

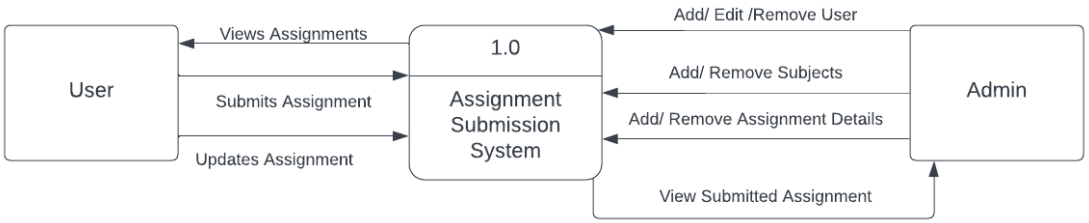



Figure 3. 6: Physical Data Flow Diagram

This Physical Data Flow diagram shows how admin and user interact with the assignment submission system. The user or student is able to view given assignment submit and update

it whereas the admin can manage users, subjects, assignments and view submitted assignment uploaded by the user.

## 3.2 SYSTEM DESIGN:

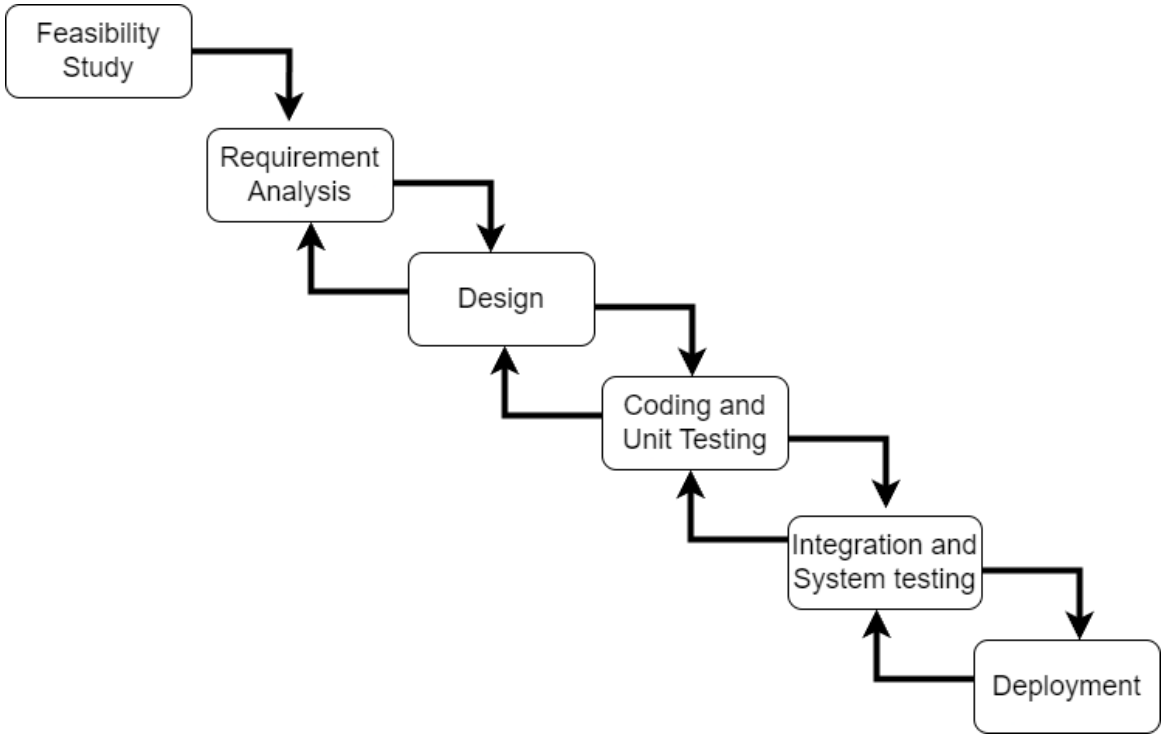



Figure 3. 7 Iterative Waterfall Model

The feasibility study phase ensured the project's viability, addressing technical, operational, economic, and functional requirements. The requirement analysis phase comprehensively examined the Assignment Submission System's necessary functionalities and how they impact the system. During the design phase, determinations were made regarding the interactions between different modules, their functionalities, and visual aspects. Coding occurred using Visual Studio Code and unit testing include comprehensive testing of all project modules. The Integration and system testing phase evaluated inter-module interactions. As in a practical environment large number of errors occurs in each and every phase of system development and iterative waterfall model allows correction of earlier stage errors. Iterative water fall model also gives a clear and defined steps to work on which can be helpful in giving a sense of direction for the project development so, it is used for the development of this project.

### 3.2.1 Architecture Design:

Architecture design involves creating a high-level blueprint that defines the structure, components, and interactions of a system. The architecture design for this project is in figure 3.7

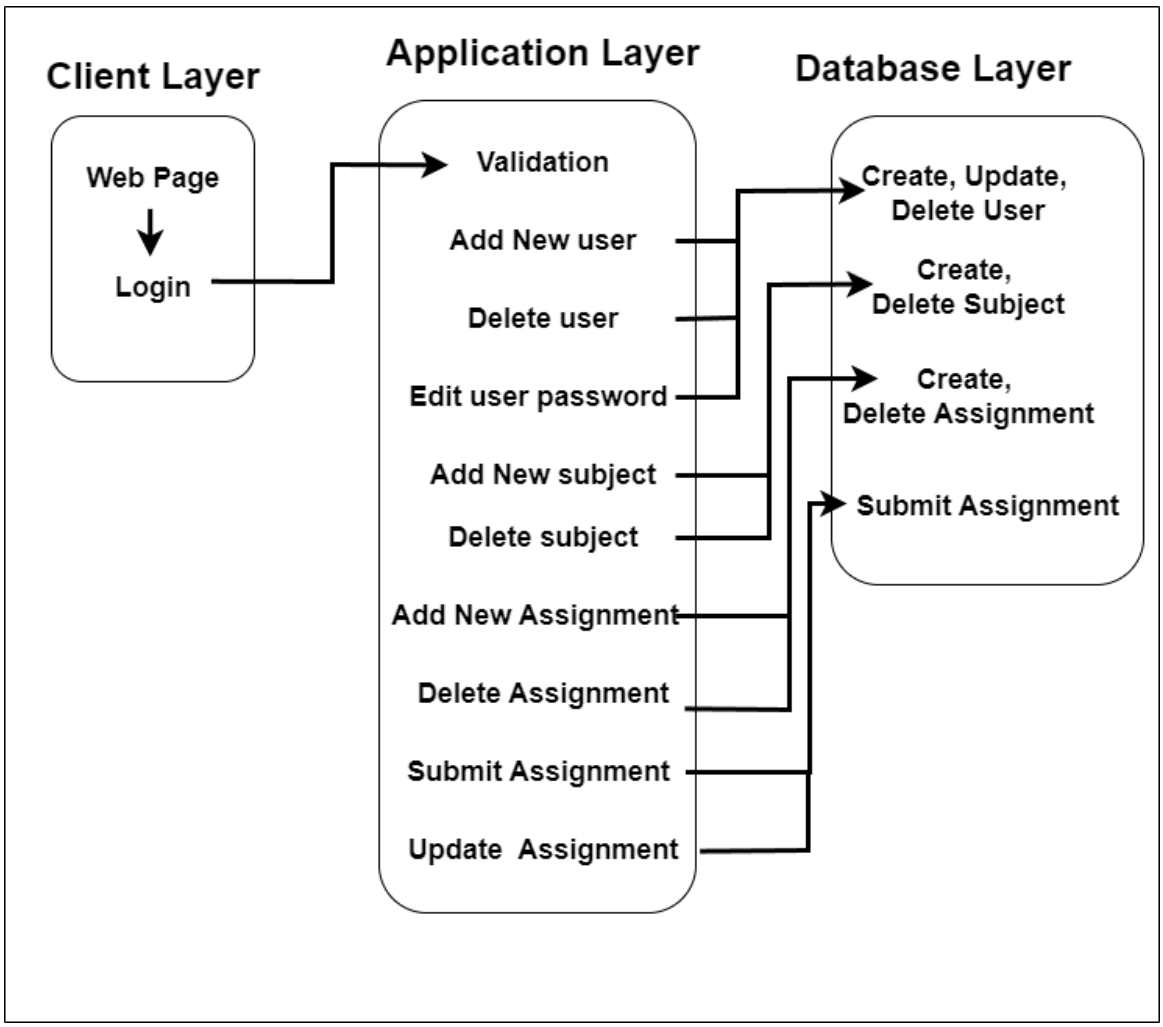



Figure 3. 8 Architecture Design

### 3.2.2 Database Schema Design

Data schema design is the process of designing the structure and organization of a database, including tables, columns, and relationships. The Schema diagram for assignment submission system is in figure 3.8

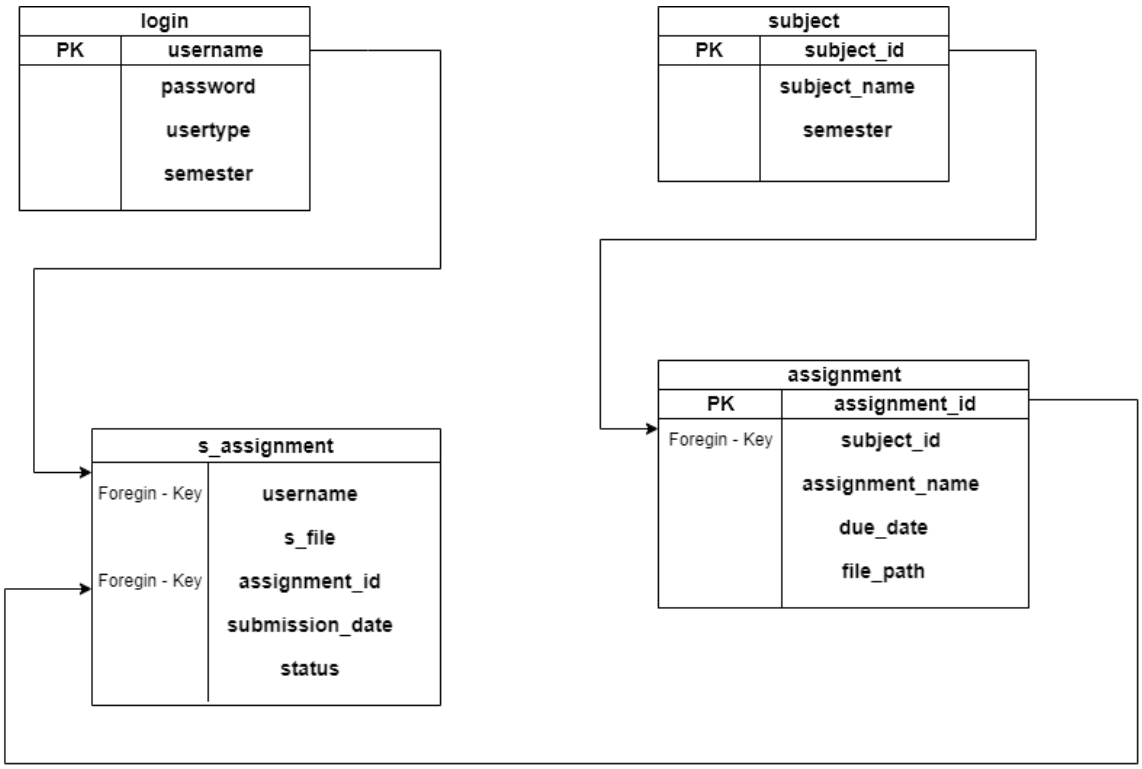



Figure 3. 9 Database Schema Diagram

### 3.2.3 Interface Design:

Interface design involves creating intuitive and user-friendly interfaces for software applications, websites, or systems. It focuses on designing visually appealing layouts, organizing information in a logical manner, and incorporating interactive elements to enhance user experience. The various interface for this project are:

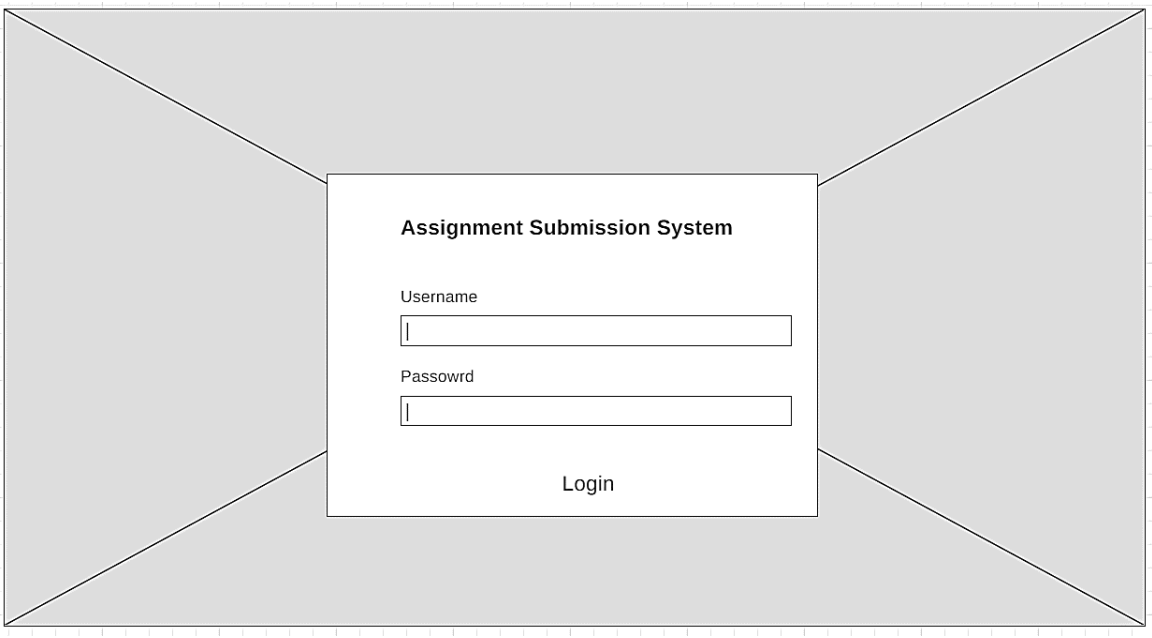



Figure 3. 10 Login Page Design

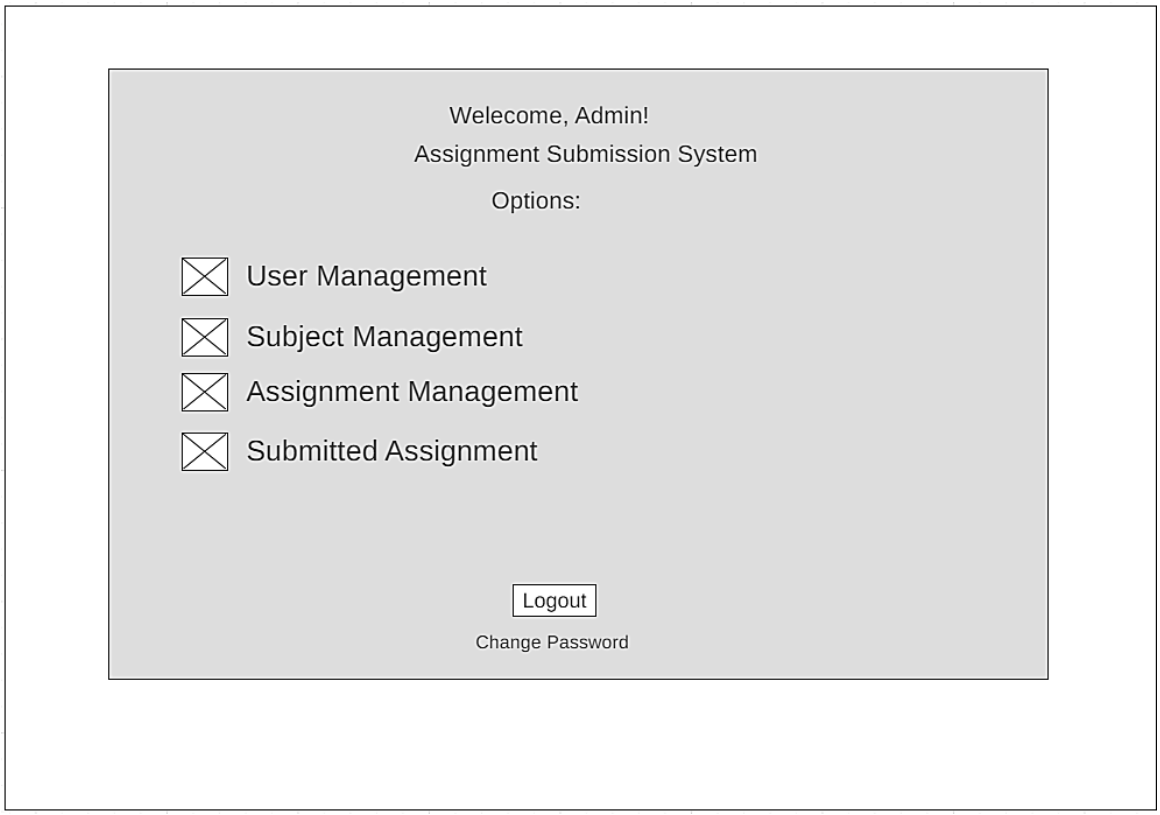



Figure 3. 11 Admin Dashboard Design

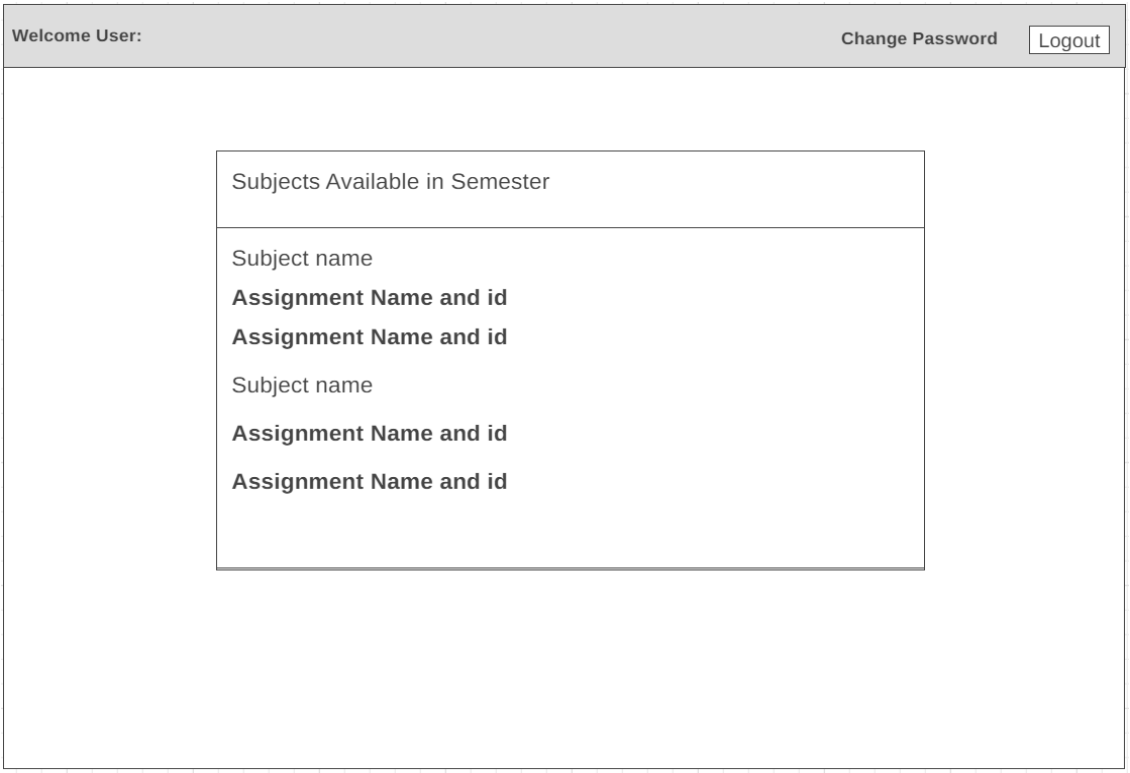



Figure 3. 12 Student Dashboard Design

# CHAPTER 4: IMPLEMENTATION AND TESTING

## 4.1 Implementation

### 4.1.1 Tools Used

Various tools that have been used in this project is listed below:

**i) Microsoft Visual Studio:**

Microsoft Visual Studio is a robust and feature-rich integrated development environment (IDE) that facilitates efficient software development across multiple platforms. It offers a comprehensive suite of tools and resources for coding, debugging, and testing applications. As visual studio is user-friendly and supports all programming language that is used in this project. It is used as an IDE for this project.

**ii) XAMPP:**

XAMPP is a widely used open-source software package that provides developers with a complete web development environment. It combines Apache, MySQL, PHP, and Perl to create a local server environment for building and testing web applications.

**iii) Web Browser:**

A web browser is a critical software application that enables users to access and interact with websites on the internet. It interprets HTML, CSS, and JavaScript code to render web pages and provides a user-friendly interface for browsing the internet. Microsoft Edge has been used in this project.

### 4.1.2 Implementation Details of Modules

Implementing modules in the assignment submission system involves developing and integrating specific features and functionalities to enhance efficiency, user experience, and operational aspects of the system. The following key modules are implemented:

1. Login

Admin/Student can login using their respective username and password. If the corresponding user type stored in the database is admin than it is redirected to admin dashboard whereas if the corresponding user type is student it redirects to student dashboard.

2. Admin Dashboard

Admin Dashboard includes various modules that allow admin to perform their task. These modules are:

a. User Management

   Admins can efficiently manage users by adding or deleting accounts and updating passwords, ensuring smooth user access. This feature ensures streamlined access for authorized users only

b. Subject Management

   This module empowers admins to seamlessly add or delete subjects along with their respective semesters, ensuring up-to-date subject information. It also includes functionality of viewing existing subjects along with their corresponding information.

c. Assignment Management

   Admins can effortlessly control assignments by adding new ones or removing existing ones, streamlining the assignment distribution process.

d. Viewing Submitted Assignment

   Administrators can actively monitor the submission status of assignments through a dedicated interface. This module provides a clear overview of assignments that have been successfully submitted and also provides information on who haven’t submitted their assignment.

3. Student Dashboard

Student Dashboard allows student to view various subjects that are in their semester, choose available assignment according to their subjects.

a. Submission/ Updating of Assignment

They can efficiently submit assignments within the specified due date, promoting timely submission. If the student already submitted their assignment and due date is not passed, they can update their assignment as well. There is also a status feature that allows student to communicate to the admin to let them know if the submitted assignment is partially done or fully completed.

4. Upload/download File

The platform facilitates admin with uploading assignment question with ease. Students as well as admin can download those uploaded assignment questions for their respective needs.
Student can upload their completed assignment and admin can also download it for review. There is also an update feature that updates the previously uploaded assignment.

5. Password Change

Both the admin and student can change their existing password for new ones using this module. In order to change password, the user will need to know the existing password which is compared to the password stored in the database to facilitate the change password functionality.

6. CSS /Java Script Enhancement

Employing CSS and JavaScript enhancements elevates the aesthetics and functionality of the user interface. The integration of visually pleasing design elements and responsive layouts ensures a user-friendly experience, promoting efficient navigation and engagement within the system.

## 4.2 Testing

Software testing is a crucial phase in software development, guaranteeing that the application operates as envisioned, is devoid of glitches, and aligns with user demands. By methodically assessing and addressing concerns prior to rollout, testing ensures a smooth user journey and overall software dependability. This integral process elevates product quality and user contentment.

### 4.2.1 Test Case for Unit Testing

Test Case: 1

Table 4. 1 Admin Login

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Admin Login | Entering login credential i.e., username, password | To enter the admin dashboard | Didn’t Enter into the admin dashboard | Failed |
| 2. | Admin Login | Entering login credential i.e., username, password | To enter the admin dashboard | Entered into admin dashboard | Success |

Test Case: 2

Table 4. 2 User Management

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Adding of user | Entering user credential i.e., username, password, user type, semester | Adding of the user to the database along with its credentials | The user and its credentials got added | Success |
| 2. | Changing of password | Entering username and new password | Password to be changed | Password was changed | Success |
| 3. | Deletion of User | Entering username to be deleted that didn’t exist | Give error message that the user doesn’t exist | Deletion Successful Message is shown | Failed |
| 4. | Deletion of User | Entering username to be deleted that didn’t exist | Give error message that the user doesn’t exist | Error Message was shown | Success |
| 5. | Deletion of Existing User | Entering username to be deleted that exist | The user is deleted along with its submitted assignments | Only the user is deleted submitted assignment is not deleted | Failed |
| 6. | Deletion of Existing User | Entering username to be | The user is deleted along | User and its submitted | Success |

| | | | | | |
|---|---|---|---|---|---|
| | | deleted that exist | with its submitted assignments | assignments are deleted | |

Test Case: 3

Table 4. 3 Subject Management

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Adding of subject | Entering subject id, subject name and semester | Adding of the subject | Subject got added | Success |
| 2. | Deletion of subject | Entering subject id to be deleted | Subject its corresponding assignment and submitted assignment be deleted along with uploaded files | Fatal Error is shown for foreign key constraint failed in assignment table | Failed |
| 3. | Deletion of Subject | Entering subject id to be deleted | Subject its corresponding assignment and submitted assignments be deleted along with uploaded files | Fatal Error is shown for foreign key constraint failed in submitted assignment table | Failed |
| 4. | Deletion of Subject | Entering subject id to be deleted | Subject its corresponding assignment and | Subject along with its corresponding | Success |

| | | | | | |
|---|---|---|---|---|---|
| | | | submitted assignments be deleted along with uploaded files | assignments and submitted assignment got deleted along with uploaded files | |

Test Case: 4

Table 4. 4 Assignment Management

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Adding of Assignment | Entering subject id, assignment number, assignment name, Due date and pdf file | Assignment added | Assignment got added | Success |
| 2. | Deletion of Assignment | Entering Assignment id to be deleted | Assignment and its corresponding submitted assignments be deleted along with uploaded files | Fatal Error is shown for foreign key constraint failed in submitted assignment table | Failed |
| 3. | Deletion of Assignment | Entering Assignment id to be deleted | Assignment and its corresponding submitted assignment be deleted along | The pdf file of submitted assignment wasn’t deleted | Failed |

| | | | | | |
|---|---|---|---|---|---|
| | | | with uploaded files | from the storage folder | |
| 4. | Deletion of Assignment | Entering Assignment id to be deleted | Assignment and its corresponding submitted assignment be deleted along with uploaded files | Assignment and its corresponding submitted assignment got deleted along with uploaded files | Success |

Test Case: 5

Table 4. 5 Viewing Submitted Assignments

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Viewing submitted assignment | Entering semester, subject and assignment | Display of all the submitted assignment | All the submitted assignment were displayed | Success |
| 2. | Downloading of submitted assignment | Pressing the download button | Download of the submitted assignment | Download button didn’t work | Failed |
| 3. | Downloading of submitted assignment | Pressing the download button | Download of the submitted assignment | Submitted assignment was downloaded | Success |

Test Case: 6

Table 4. 6 Student Login

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Student Login | Entering login credential i.e., username, password | To enter the student dashboard | Entered into student dashboard | Success |

Test Case: 7

Table 4. 7 Assignment Submission

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Uploading Assignment | Choosing the file to be uploaded then submitting it | Upload of assignment file | Assignment file got uploaded | Success |
| 2. | Downloading of assignment question | Pressing on the “Download Assignment File” | Download of the assignment questions | The download button didn’t work | Failed |
| 3. | Downloading of assignment question | Pressing on the “Download Assignment File” | Download of the assignment questions | Assignment Question was downloaded | Success |

Test Case: 8

Table 4. 8 Change Password

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Change Password | Current Password and New Password | Password changed to new password | Password was changed | Success |

### 4.2.2 Test Case For System Testing

Test Case: 9

Table 4. 9: System Testing

| S.no | Test case | Input | Expected result | Actual result | Status |
|---|---|---|---|---|---|
| 1. | Upload/ Download Integration between student and admin portal | Uploading Assignment Question file from admin portal and using Student portal to download it. | Assignment Question downloaded from student portal | Assignment Question didn't get downloaded | Failed |
| 2. | Upload/ Download Integration between student and admin portal | Uploading Assignment Question file from admin portal and using Student | Assignment Question downloaded from student portal | SQL Error was displayed | Failed |

| | | | | | |
|---|---|---|---|---|---|
| | | portal to download it. | | | |
| 3. | Upload/ Download Integration between student and admin portal | Uploading Assignment Question file from admin portal and using Student portal to download it. | Assignment Question downloaded from student portal | Assignment Question downloaded from student portal | Success |
| 4. | Assignment Submission And downloading | Submitting assignment from student portal and using the view assignment module in admin portal to download the submitted assignment | Submitted Assignment downloaded | The submitted assignment was downloaded | Success |

# CHAPTER 5: CONCLUSION AND FUTURE RECOMMENDATION

## 5.1 Lesson Learnt

This project provided a valuable insight into Web Page development and how each module interacts with each other. It revealed how each feature complement each other and contribute to the successful functioning of the project as a whole. Some of the valuable Lesson learnt during the development of this project are:

- Learning about database how various tables integrate with each other
- Learning about various testing
- Learning about maintaining Documentation
- Learning about html, php and JavaScript

## 5.2 Conclusion

The Assignment Submission System is an online tool that helps students submit their assignments easily and assists administrators in managing these tasks efficiently. It allows students to submit their work online, removing the need for physical hand-ins, making it easier for them to meet their assignment deadlines, especially when being present in person is tough. The main aim of this project is to streamline the assignment submission process, focusing on making it more convenient for students and improving how efficiently administrators handle these tasks.

## 5.3 Future Recommendation

- Integration of AI and machine learning for plagiarism checks
- Adding notification Feature
- Adding responsive mobile view Feature

# REFERENCES

[1] Technology.D, "schoolworkspro," 28 April 2023. [Online]. Available: https://schoolworkspro.com.

[2] "Google Classroom," Google, [Online]. Available: https://edu.google.com/products/classroom/. [Accessed 28 April 2023].

[3] B. Herold, "Education Week," edweek.org, [Online]. Available: https://www.edweek.org/technology/how-google-classroom-is-changing-teaching-q-a-with-researcher-carlo-perotta/2020/12. [Accessed 23 April 2023].

# APPENDICES

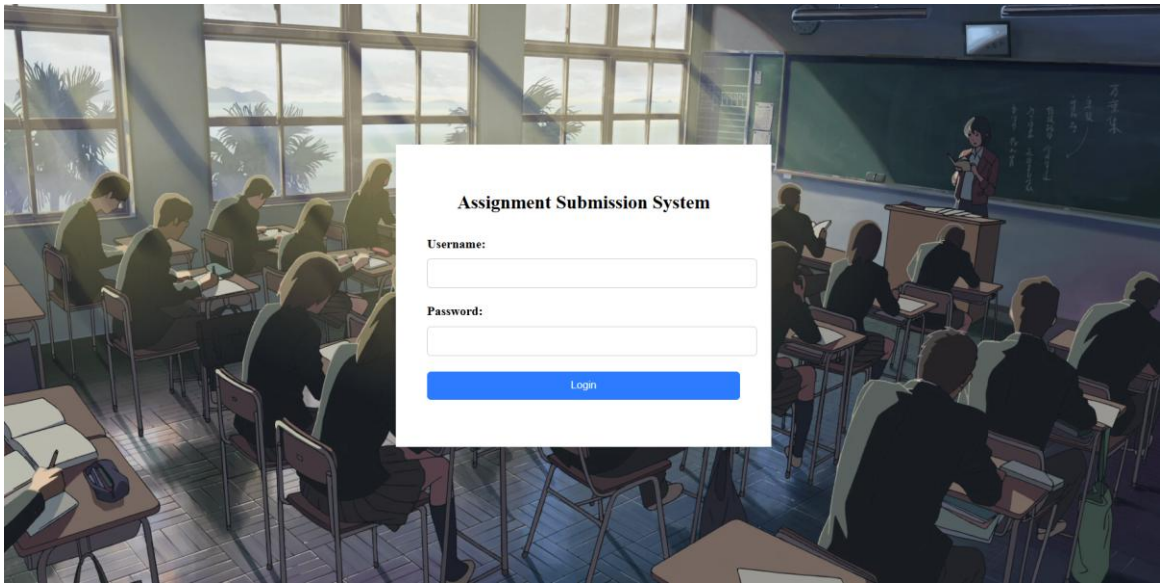



Figure 1: Login Page

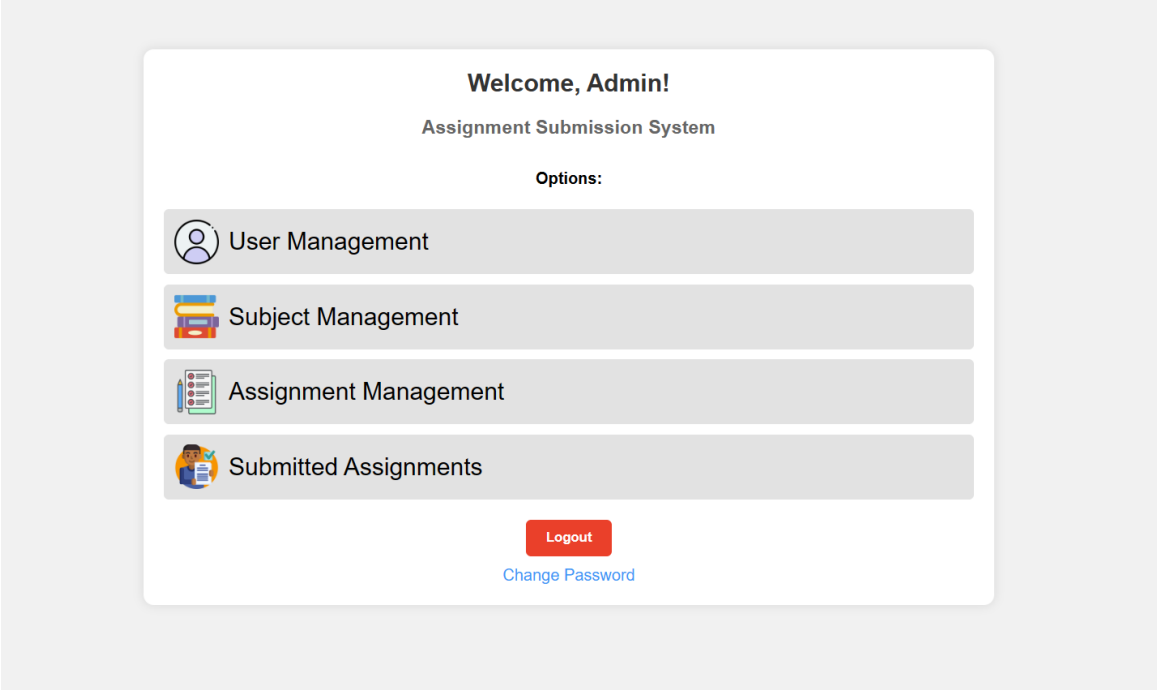



Figure 2; Admin Dashboard

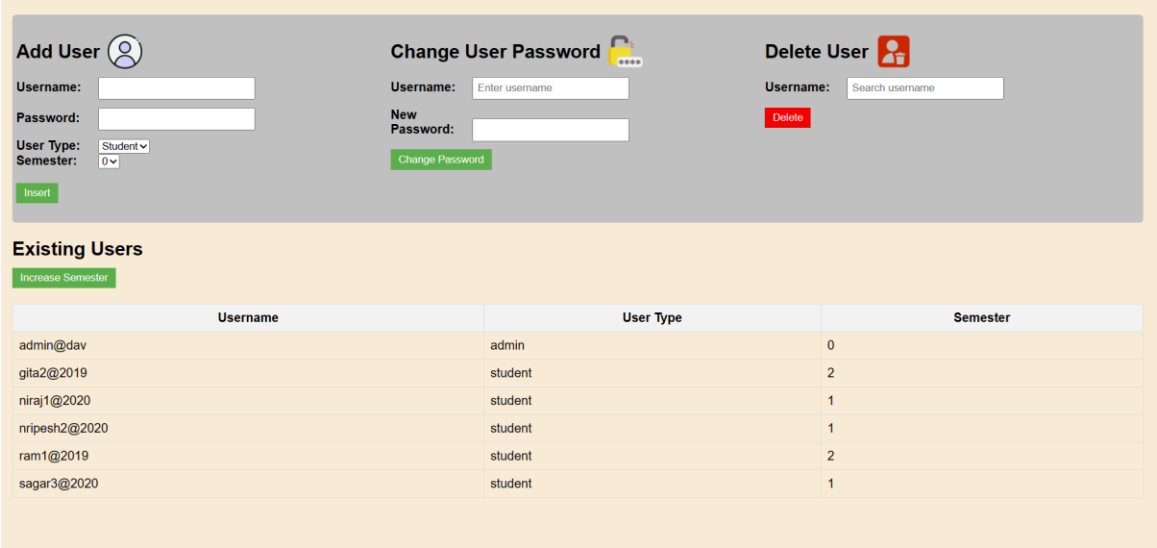



Figure 3 User Management Module

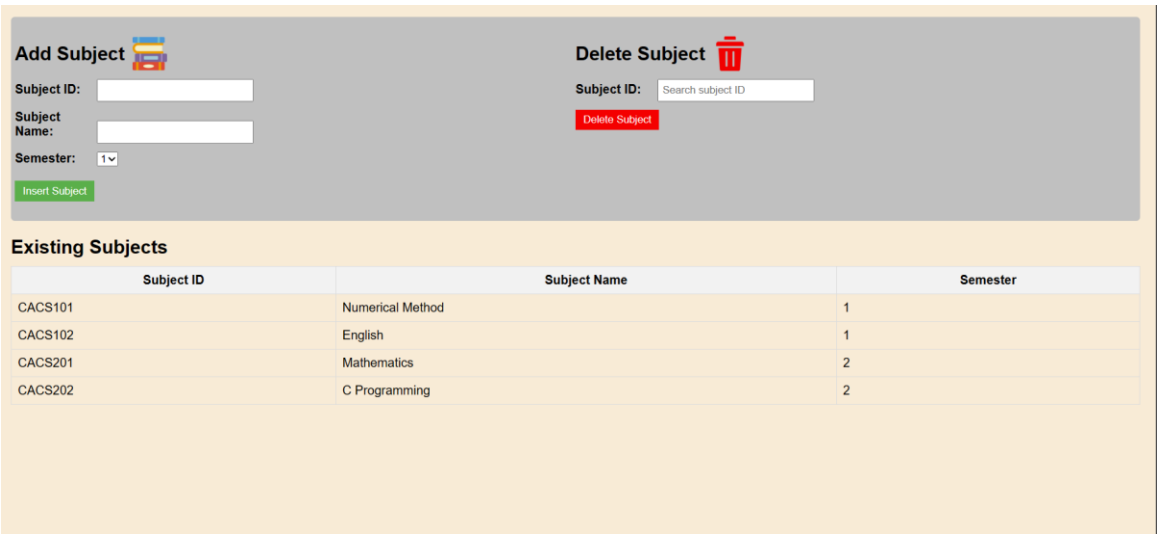



Figure 4 Subject Management

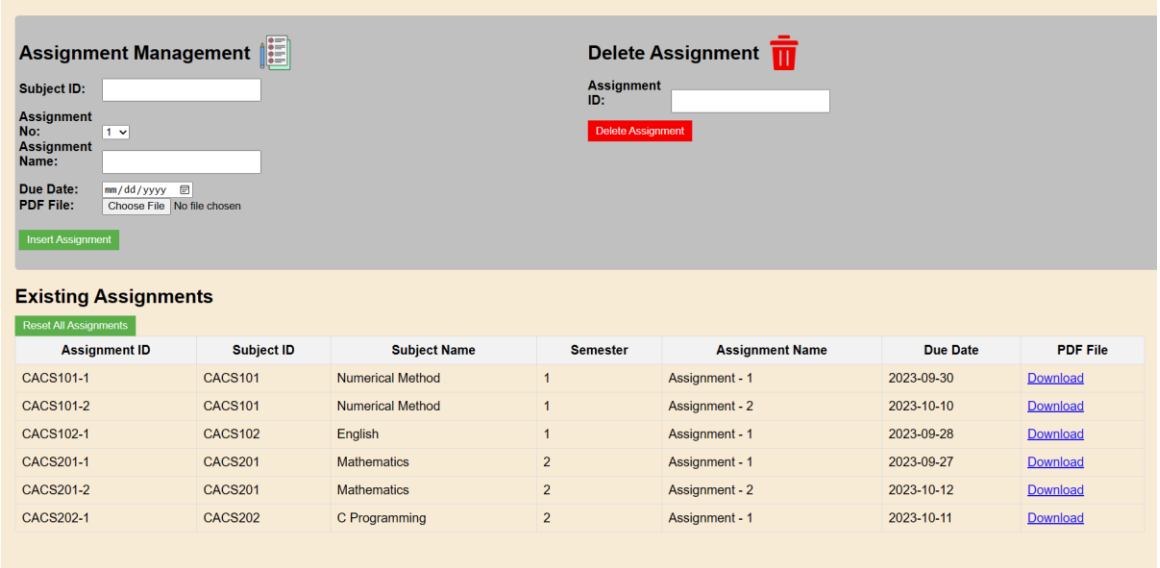



Figure 5: Assignment Management Module

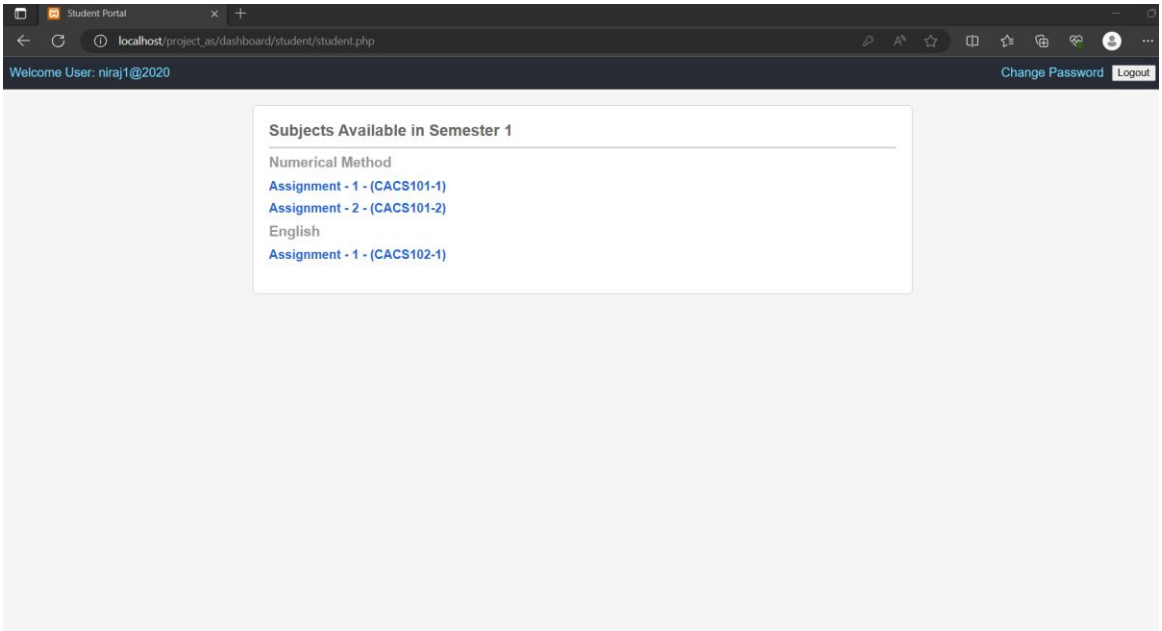



Figure 6: Student Dashboard

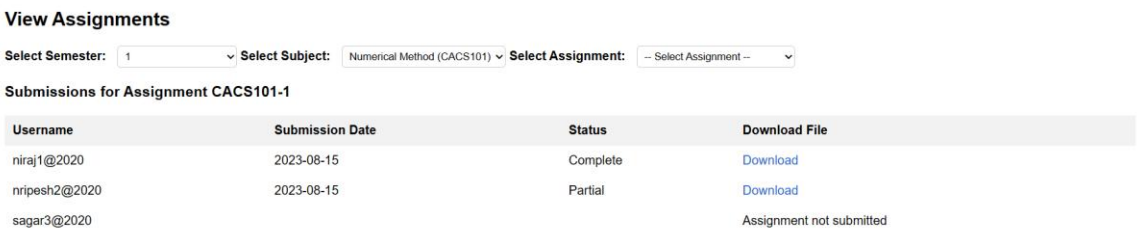



Figure 7: Viewing of submitted assignment Module

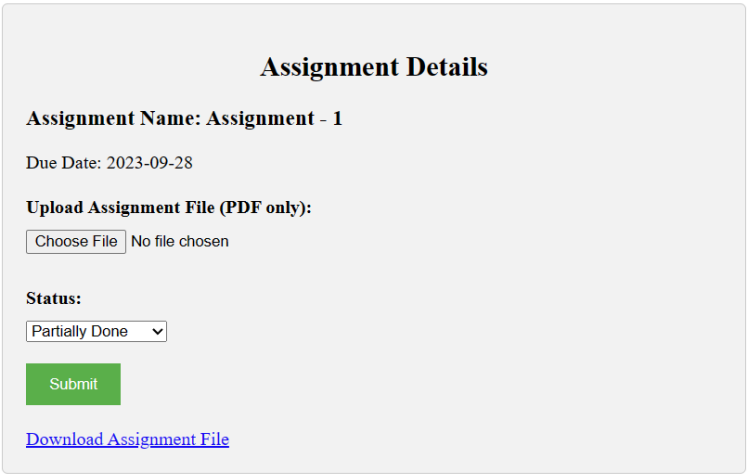
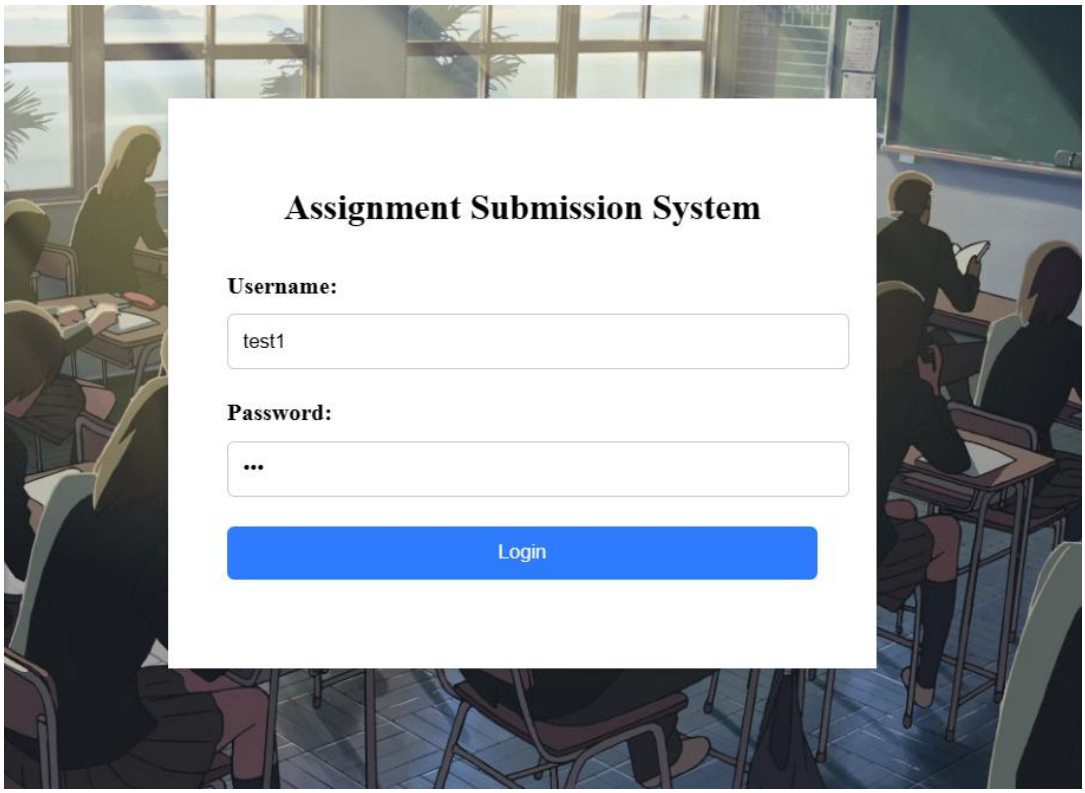



Figure 8: Assignment Submission Module



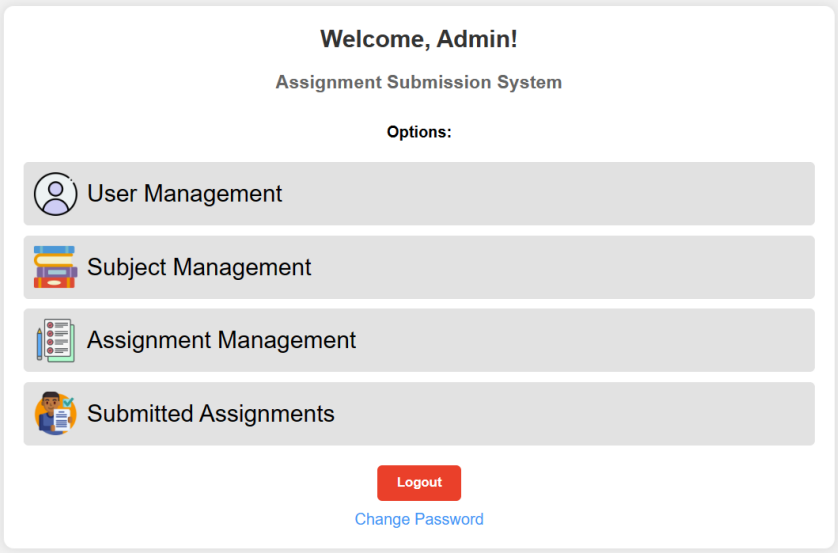




Figure 9: Test Case for Admin Login

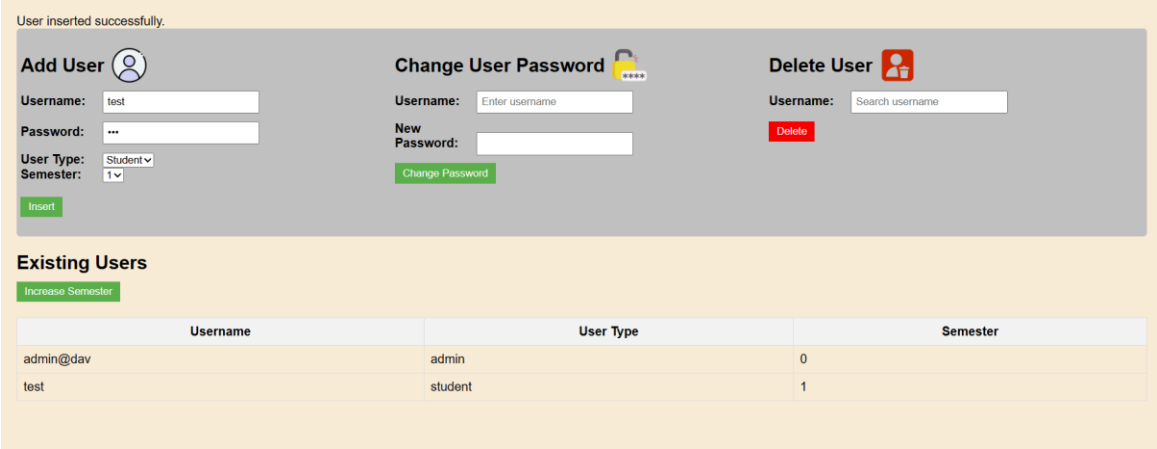



Figure 10: Test Case for Adding User

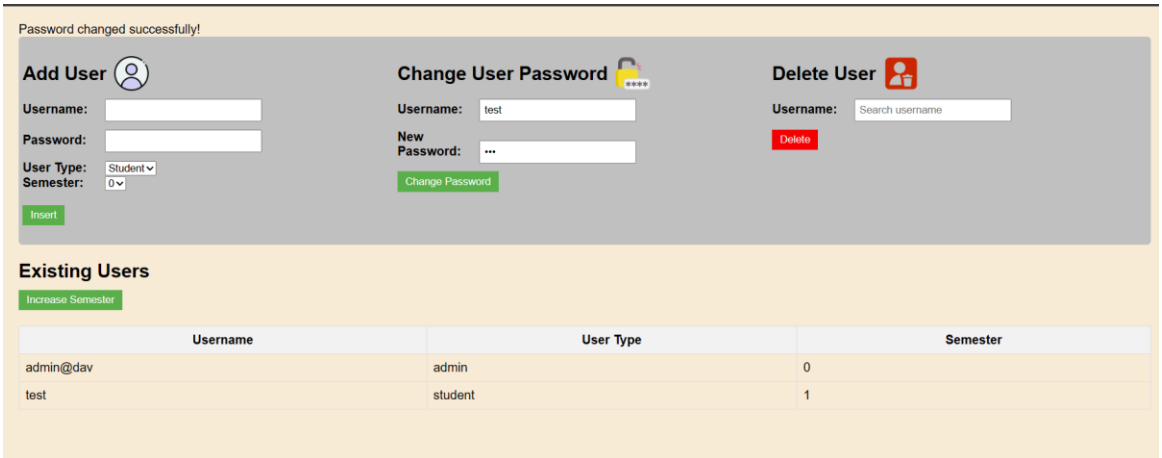



Figure 11: Test Case for Changing Password

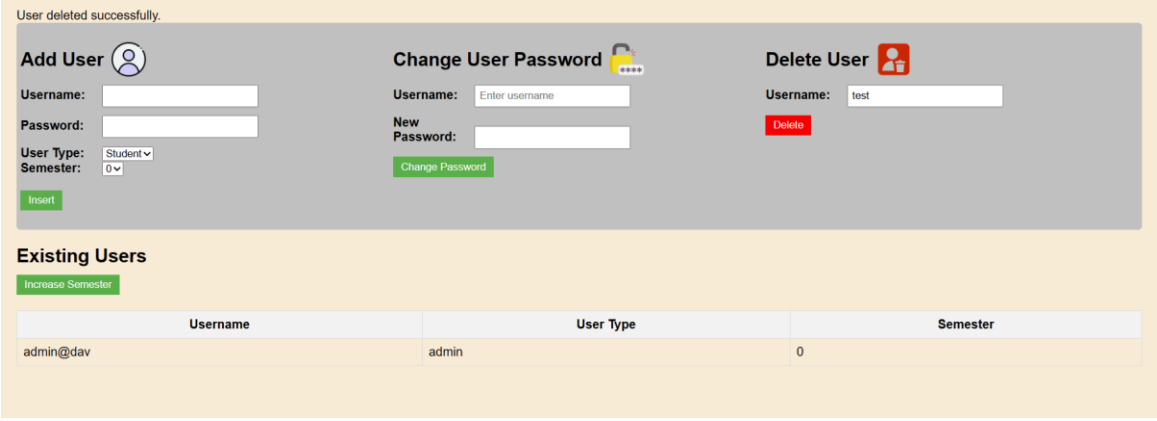



Figure 12:Test Case for Deleting User

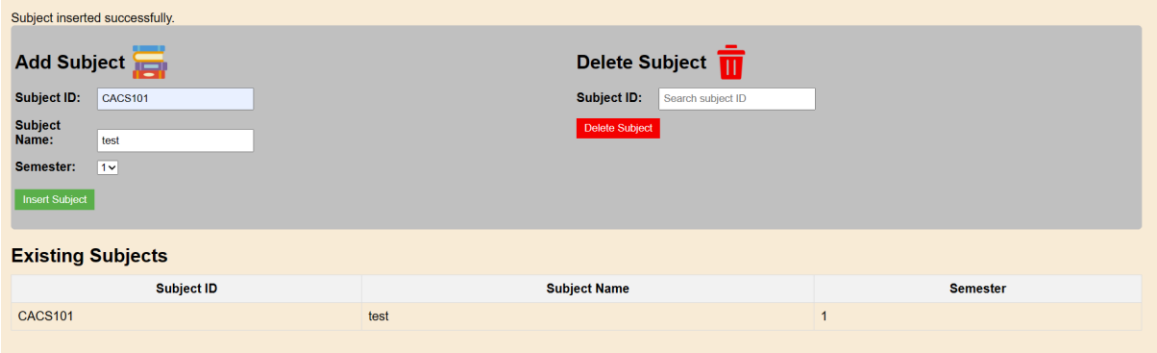



Figure 13:Test Case for Inserting Subject

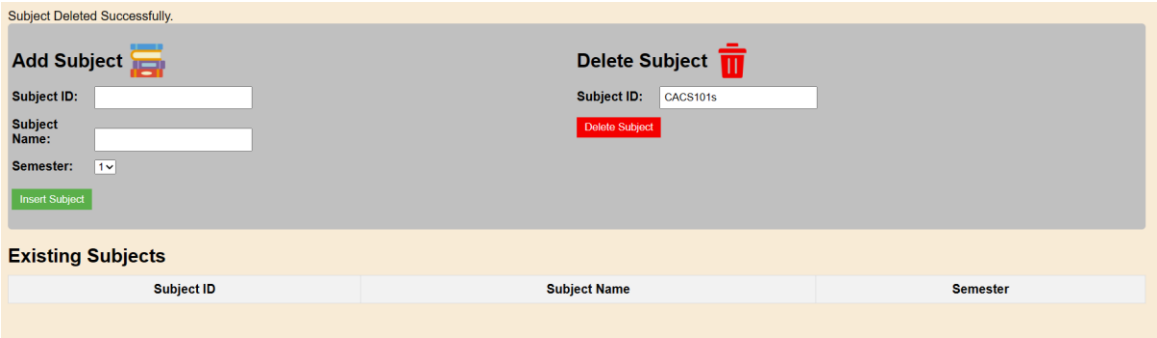



Figure 14: Test Case for Deleting Subject

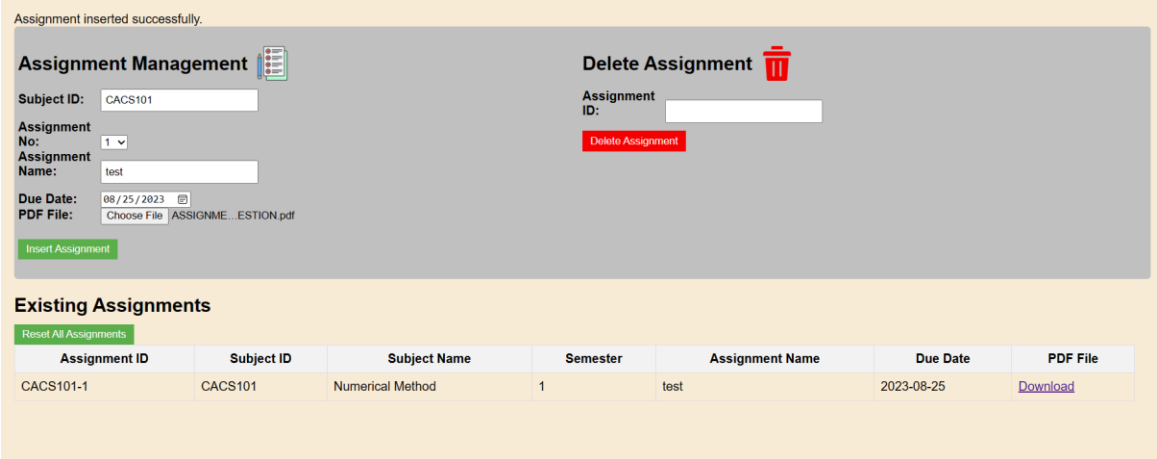



Figure 15: Test Case for Inserting Assignment

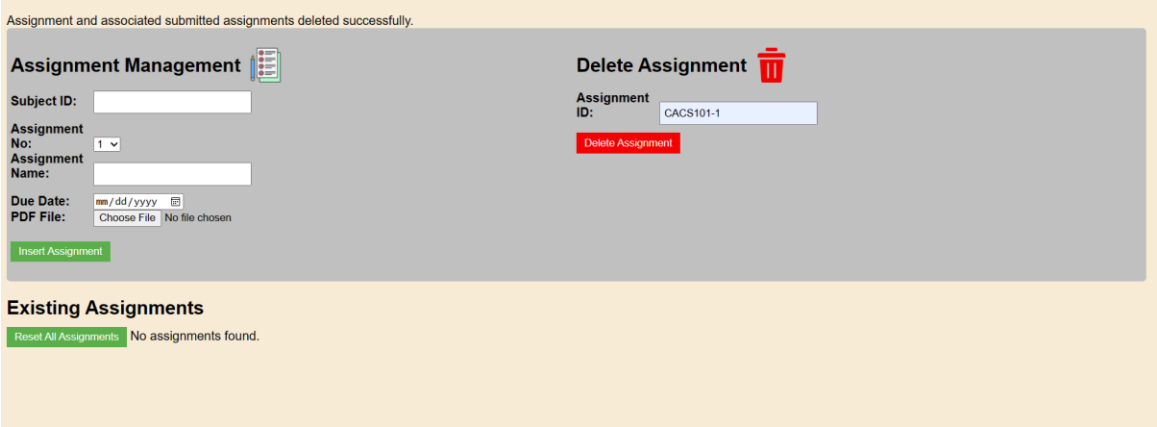



Figure 16: Test Case for Deleting Assignment

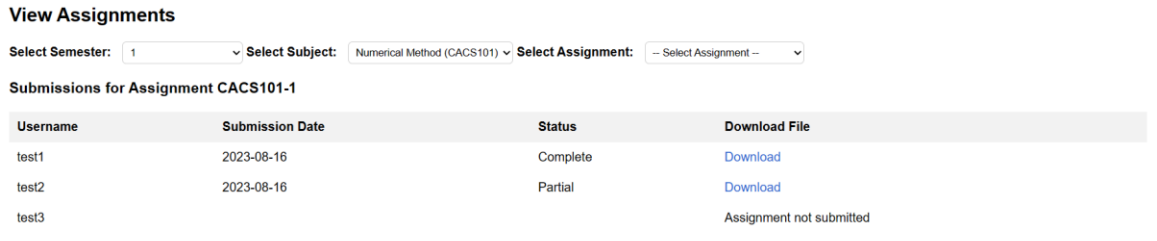



Figure 17: Test Case for Viewing Submitted Assignment

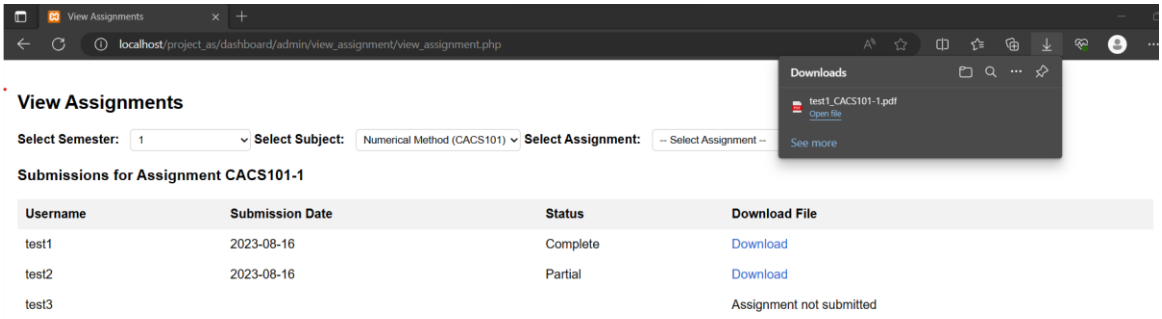



Figure 18: Test Case for Downloading Submitted Assignment

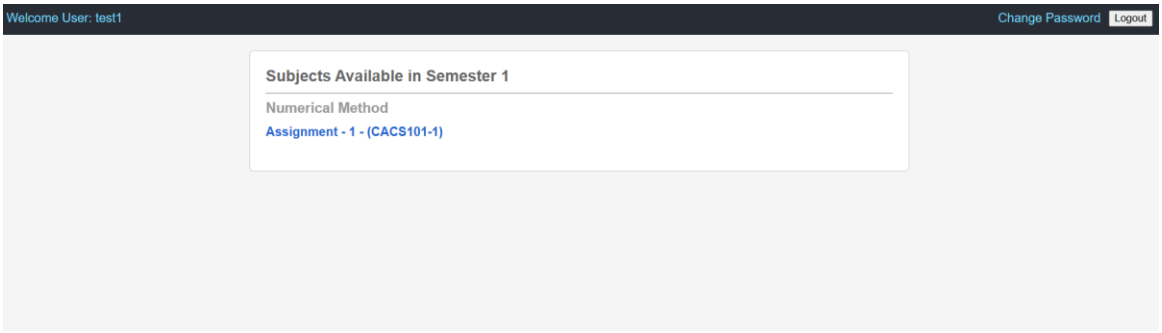



Figure 19: Test Case for Student Login

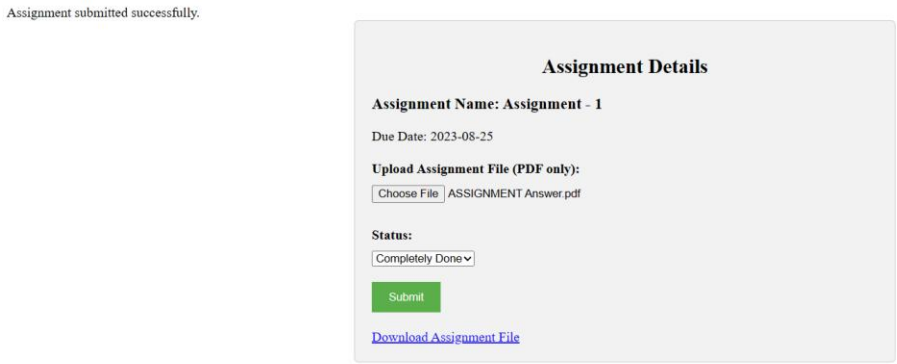



Figure 20: Test Case for Submitting Assignment

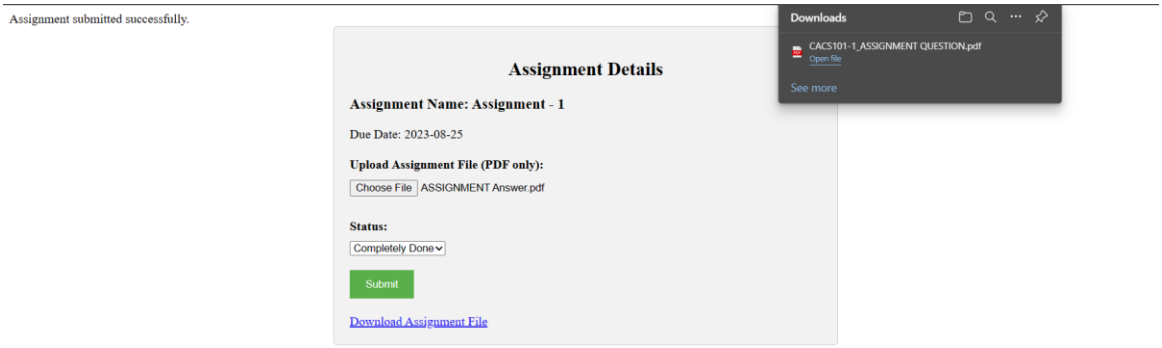



Figure 21: Downloading of Assignment Questions

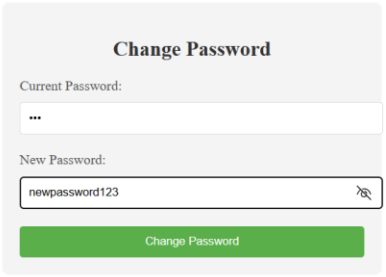



Figure 22: Test Case for Change Password