

Project Description and Target Audience

Project Title: Student Information System

Project Description

This project proposes the development of a web-based **Student Information System** which will be intended to support the academic workflow of an educational institute. The system is planned to facilitate the creation and management of student and teacher accounts, the organization of classes, and the assignment of coursework. It is envisioned that administrators will be able to add students and teachers into the system, assign them to classes, and manage general academic data.

Teachers would be able to create assignments, upload documents, and link them to specific classes. Students assigned to those classes would then be able to view these assignments and submit their own work through the system interface. Once submitted, the teacher would be able to review the work and assign a mark. A pass/fail indicator is intended to display to the student based on the result.

The system is expected to be built using **PHP** for server-side processing and **MySQL** as the database solution. **HTML, CSS, and basic JavaScript** will be used to structure and style the interface. The application will be structured with templates and modular code to improve scalability and maintainability.

Through this planning phase, the goal is to try to make a clear structure and define the necessary components of the system before any development begins. The aim is to include user authentication, session handling, and CRUD functionality for core entities such as users, classes, assignments, and submissions.

Target Audience

The proposed Student Information System is intended to serve three types of users, each with a unique role and set of responsibilities within the system. The following target audiences have been identified as the primary beneficiaries of this planned web application:

1. **Administrative Staff**

It is anticipated that administrative users will be responsible for managing the academic structure within the system. Their expected functions may include creating teacher and student accounts, assigning users to classes, and maintaining the overall organization and accuracy of the database.

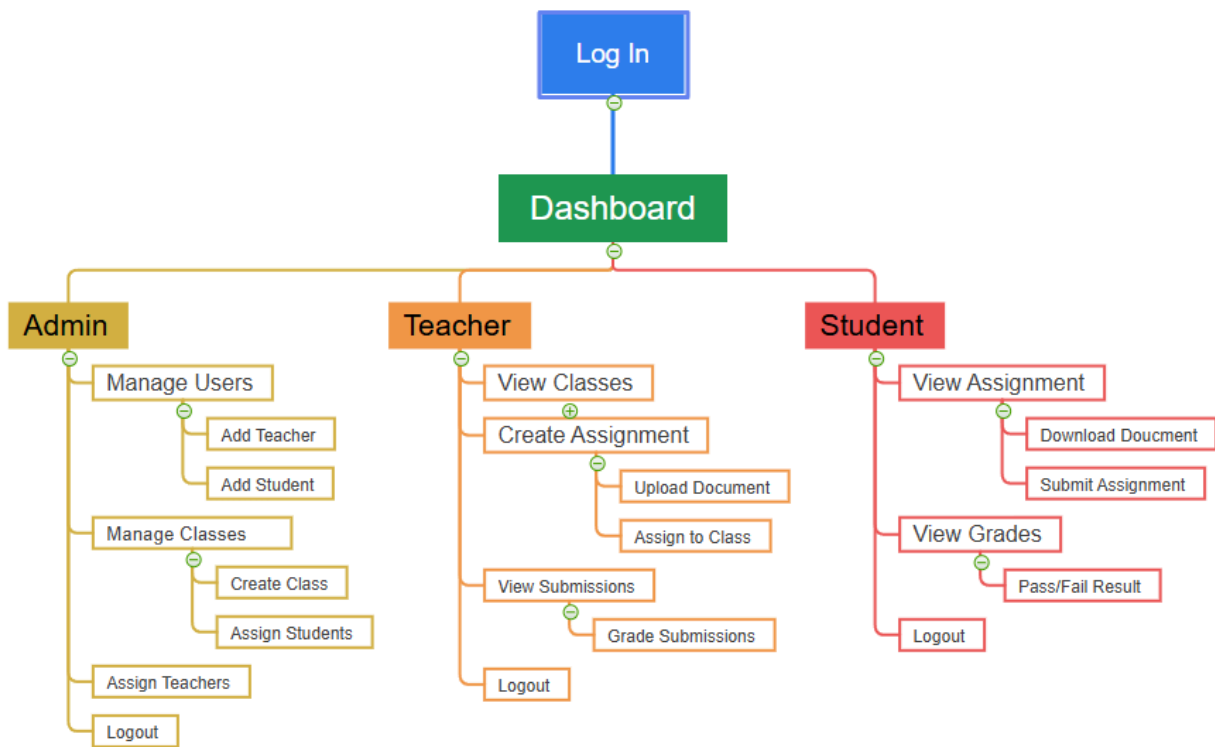
2. **Teachers**

The system is expected to support teachers by enabling them to create and distribute assignments, upload related documents, and assign tasks to specific classes. Teachers would also be able to access student submissions, evaluate their work, and assign grades accordingly.

3. **Students**

Students are expected to use the system to access their assignments, download instructional materials, upload submissions, and view feedback and grades from their teachers. The system may also include a feature to indicate whether a student has passed or failed a given assignment, based on the grade received.

This system is being planned with real-world educational environments in mind, such as secondary schools, post-secondary colleges, and vocational training centres. These are settings where the everyday management of classes, assignments, and communication between staff and students can often become overwhelming or scattered. The aim is to introduce a practical, easy-to-use digital solution that helps bring structure and clarity to those routines. By supporting clear roles, simplifying key tasks, and making academic processes more accessible, the system hopes to improve how administrators, teachers, and students work together. At its core, this project is about building a platform that helps everyone stay connected and organised, from the moment an assignment is created to the point it's submitted, reviewed, and marked.



student_system assignments
id : int(11)
class_id : int(11)
title : varchar(255)
description : text
due_date : datetime
created_at : int(11)

student_system submissions
id : int(11)
assignment_id : int(11)
user_id : int(11)
file_name : varchar(255)
file_path : varchar(255)
student_comment : text
grade : varchar(10)
feedback : text
submitted_at : timestamp

student_system grades
id : int(11)
enrollment_id : int(11)
grade : varchar(10)
feedback : text
created_at : timestamp

student_system assignment_files
id : int(11)
assignment_id : int(11)
file_name : varchar(255)
file_path : varchar(255)
uploaded_at : timestamp

student_system enrollments
id : int(11)
user_id : int(11)
class_id : int(11)
enrolled_at : timestamp

student_system attendance
id : int(11)
enrollment_id : int(11)
date : date
status : enum('present','absent','late','')
notes : text
created_at : timestamp

student_system roles
id : int(11)
role_name : varchar(50)

student_system users
id : int(11)
username : varchar(100)
email : varchar(150)
password : varchar(255)
role_id : int(11)
created_at : timestamp
first_name : varchar(100)
last_name : varchar(100)
dob : date

student_system classes
id : int(11)
subject_id : int(11)
teacher_id : int(11)
start_time : datetime
end_time : datetime
room : varchar(255)
created_at : timestamp

student_system subjects
id : int(11)
name : varchar(100)
code : varchar(10)
created_at : timestamp

