

Technical Design Document

Project name: Student Result Management
System

Team Name: Technocrats

Introduction:

The main objective of the project is to provide the examination result to the student in a simple way. This project is useful for students and institutions for getting the results in simple manner. By a result analyser with subject status and marks is an application tool for displaying the results.

The privilege that is provided to student is to read his/her result by providing student ID and semester.

Functional Requirements:

The functional requirements of the project are:

For the Admin:

- Login
- Admin (Add/View/Update/Delete)
- Student (Add/View/Update/Delete)
- Branch (Add/View/Update/Delete)
- Subjects (Add/View/Update/Delete)
- Semester (Add/View/Update/Delete)
- Results (Add/View/Update/Delete)
- Courses (Add/View/Update/Delete)

For the Student:

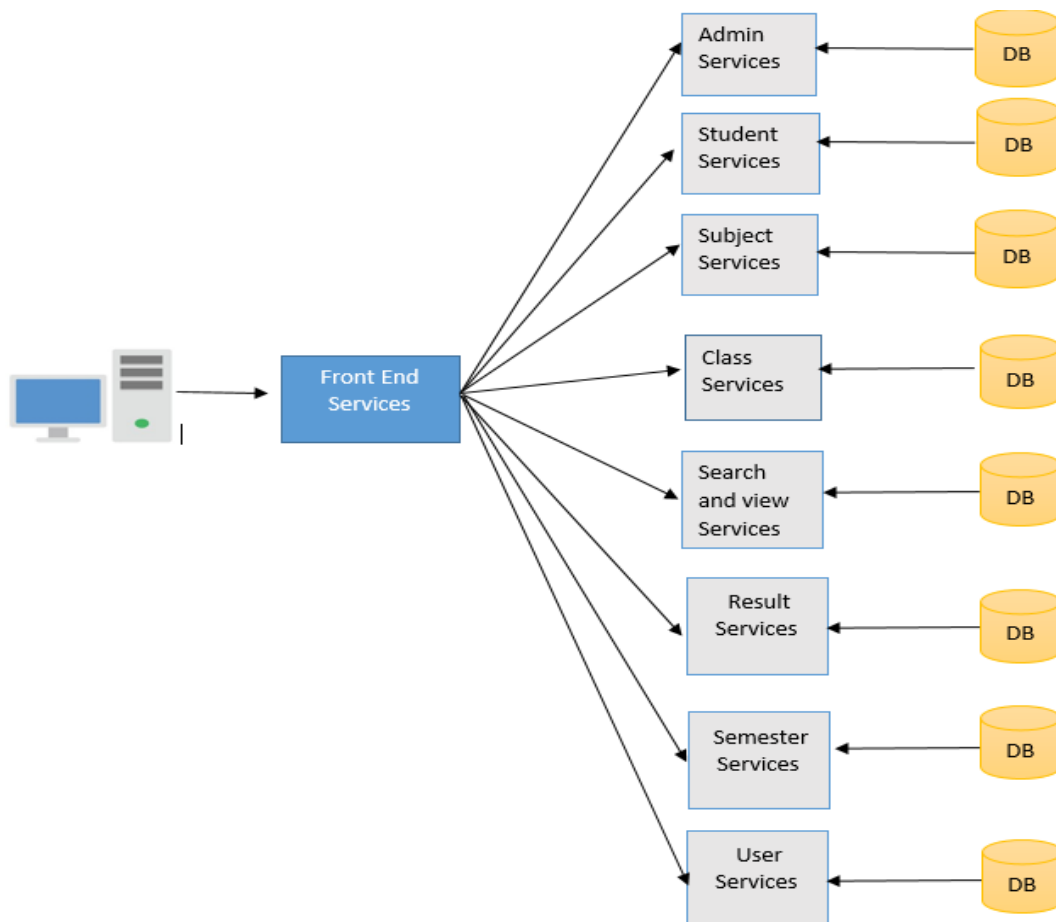
- Login
- Search Results
- View Results

Services

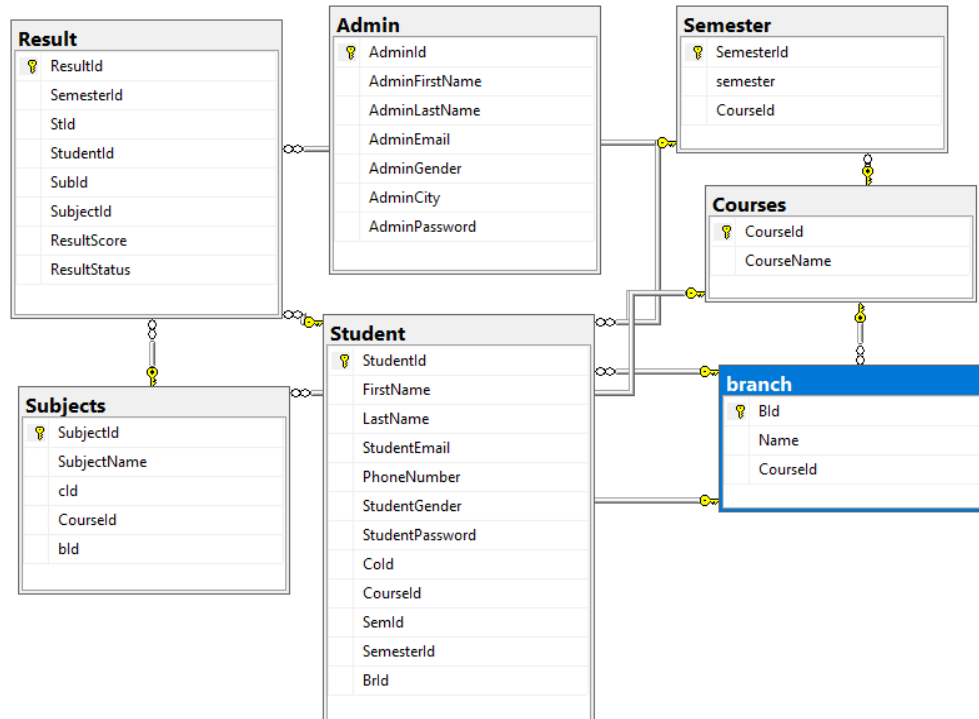
The different services in which this project is divided into are:

- **Admin Service:** Register a new account for Admin and Student and login (as the admin)
- **Student Service:** login as the student
- **Subject Service:** Adding a new subject, update or delete an existing subject
- **Branch Service:** Adding a new class, update or delete an existing class
- **Semester Service:** Adding a new Semester, update or delete an existing semester
- **Result Service:** Adding a new result, update or delete an existing result, downloading results
- **Courses Service:** Adding a new course, update or delete an existing course
- **Search and View Service:** View student details, view all admin details, view subjects, view results, view class

Architecture Diagram:



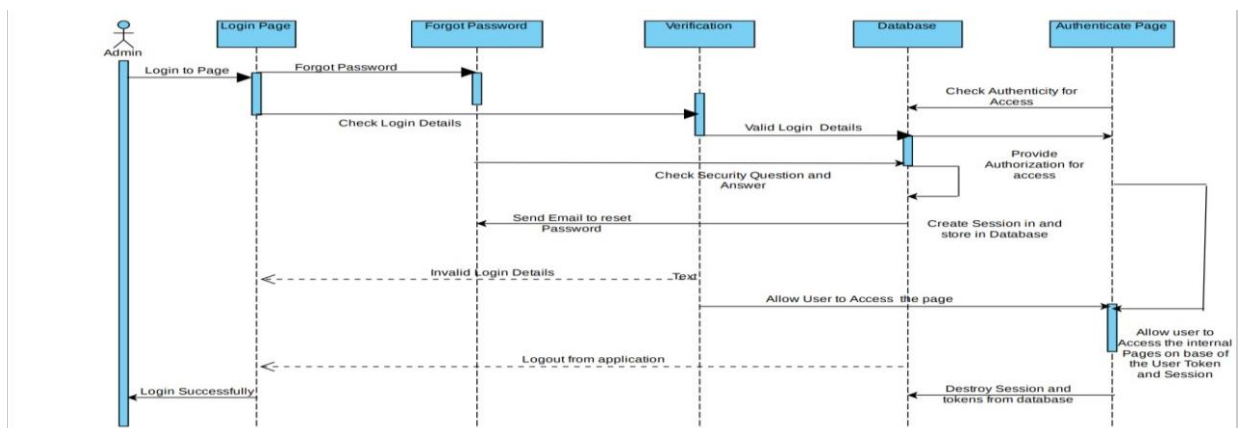
Entity Relationship Diagram:



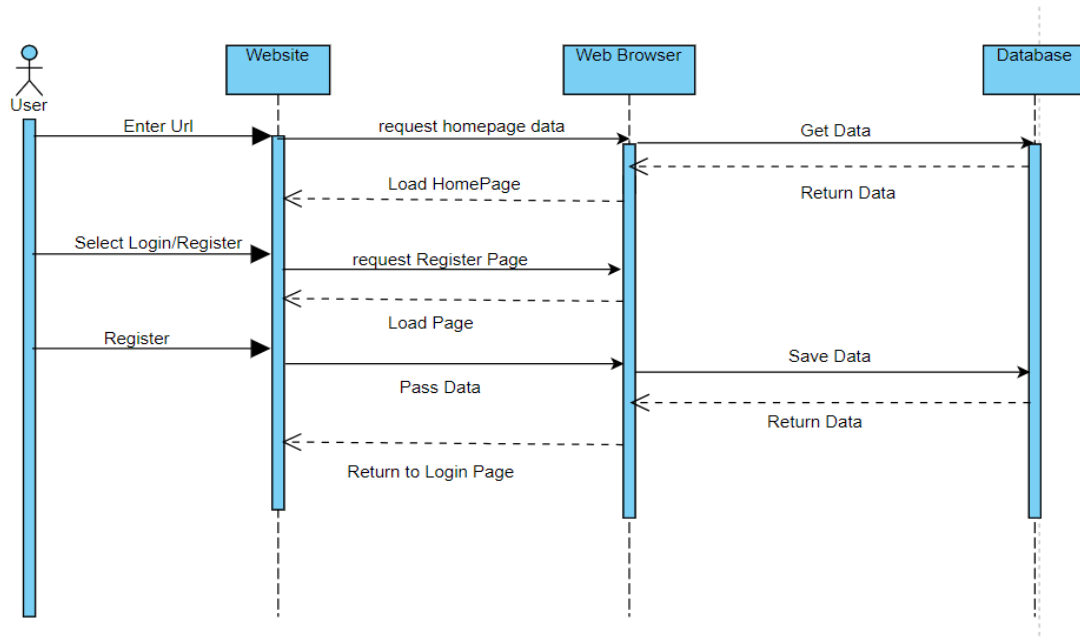
Sequence Diagrams

User Service:

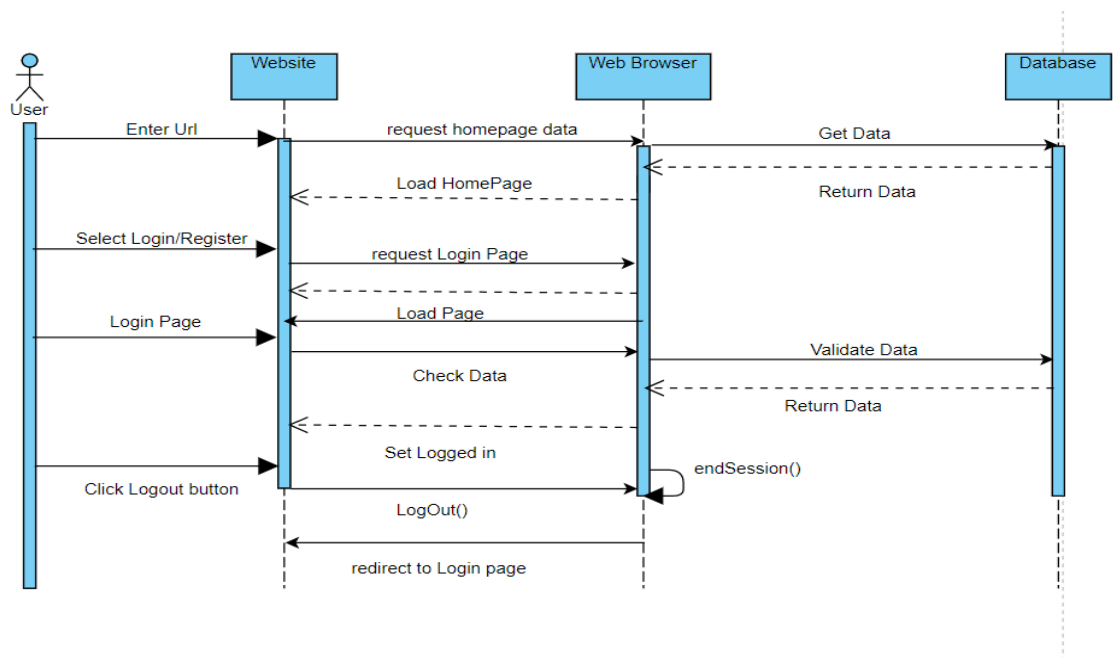
Login -



Registration of new User -

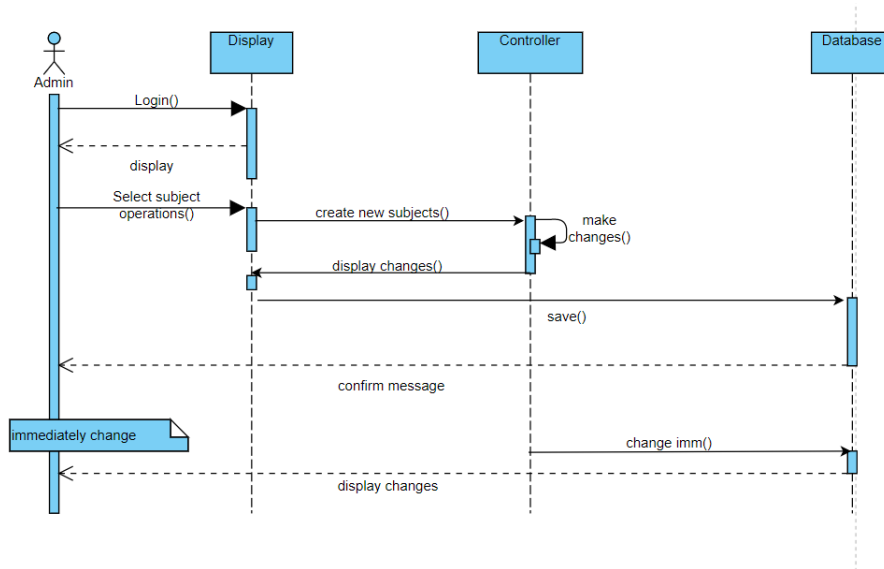


Logout -

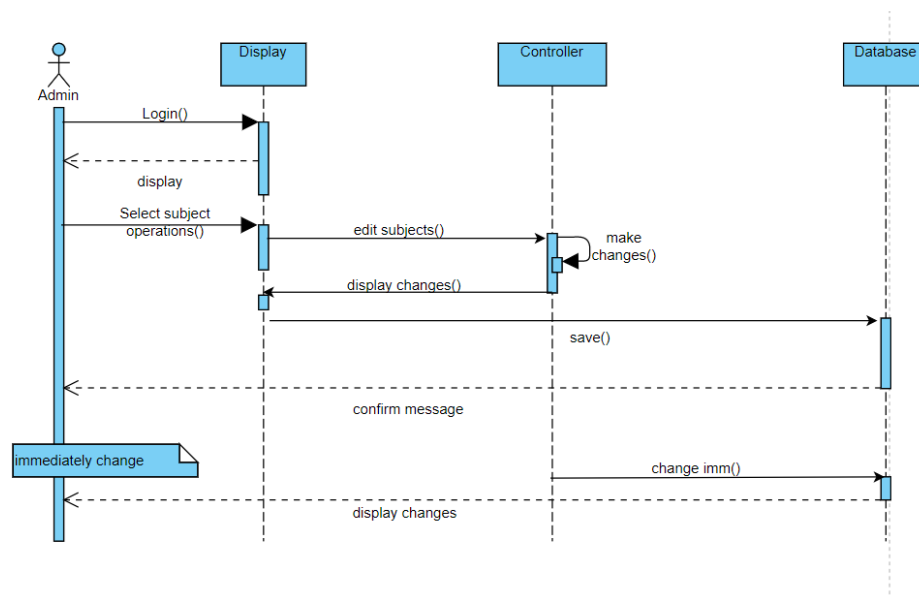


Subject Service:

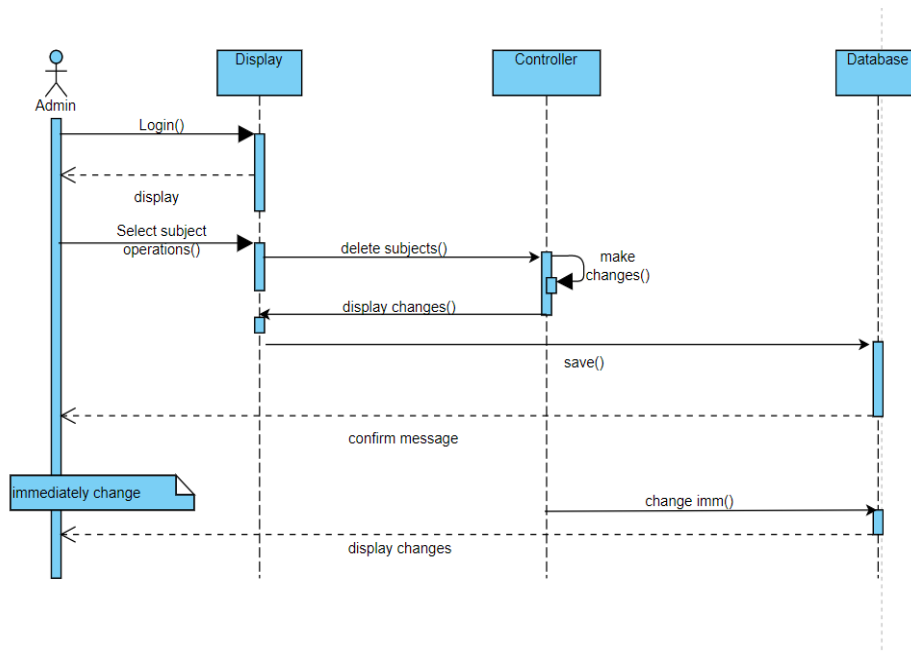
Insert Subject:



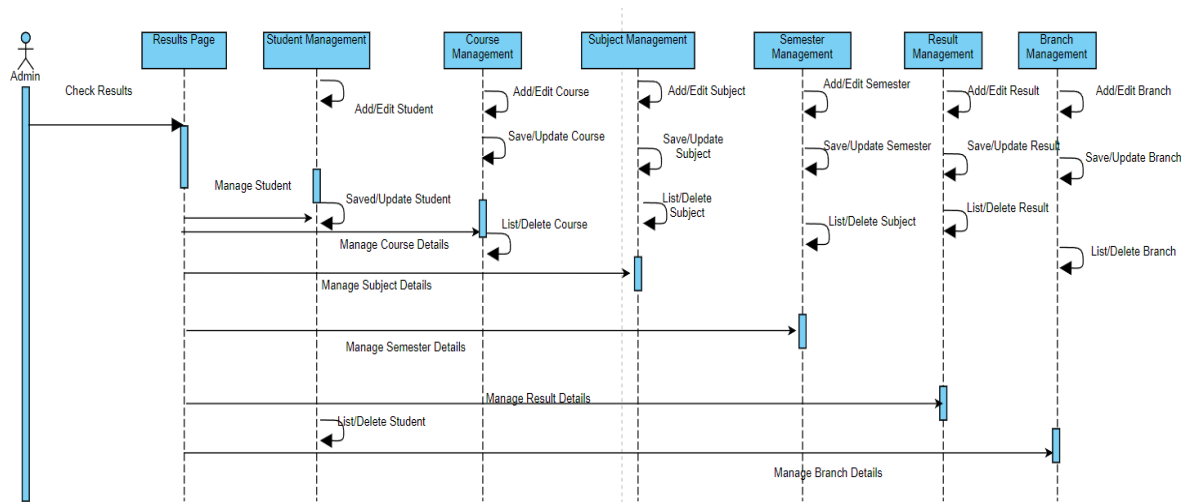
Update an Existing Subjects:



Delete Subjects:

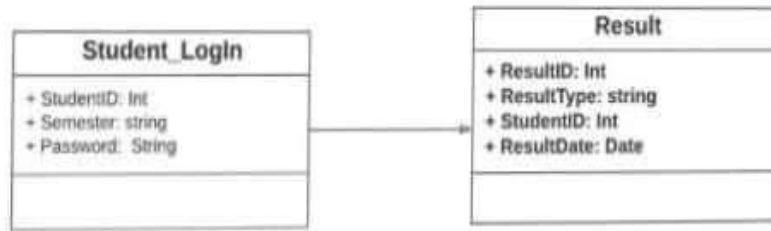


Sequence Diagram of Student Result Management System:

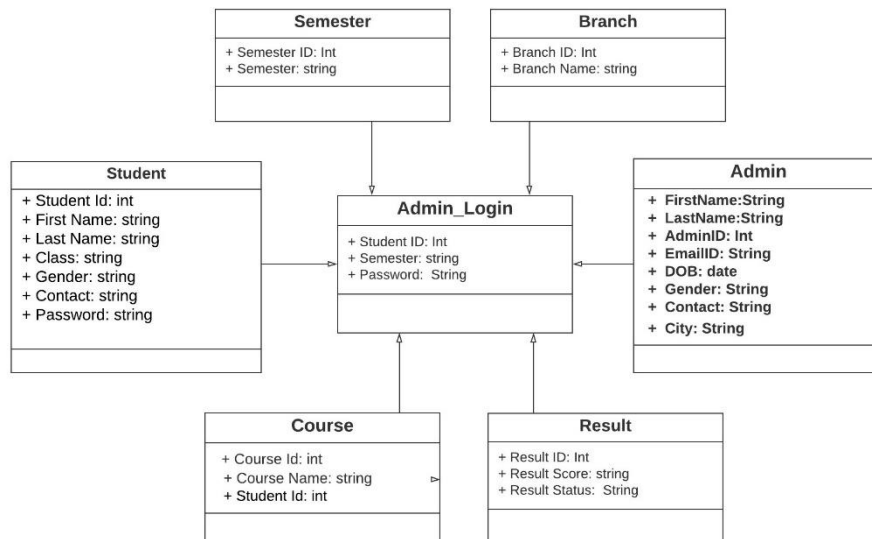


Class Diagrams

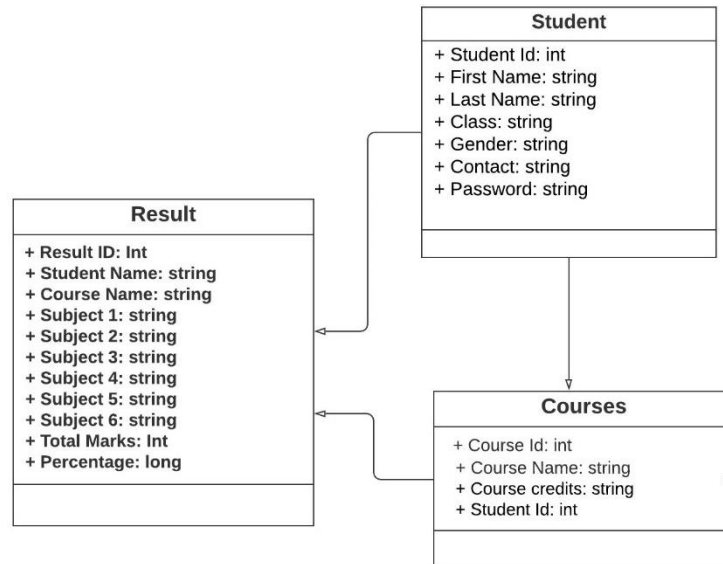
Student Service:



Admin Service:



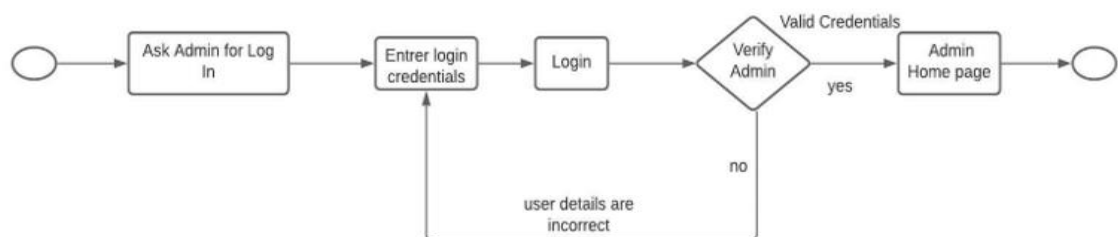
Result Service:



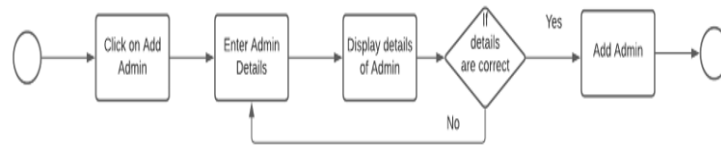
Activity Diagrams

Admin Service:

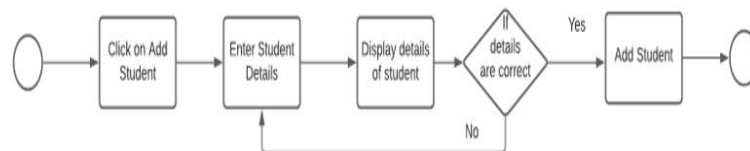
Login:



Admin Registration:

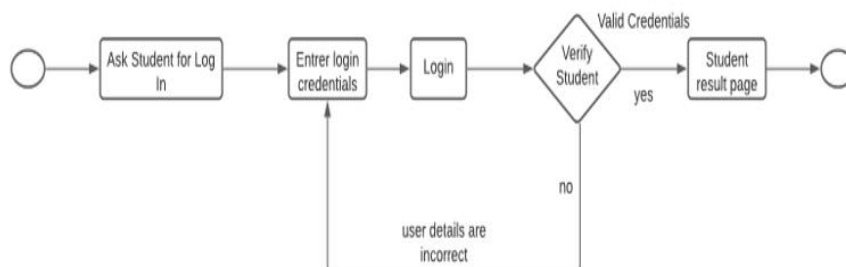


Student Registration:



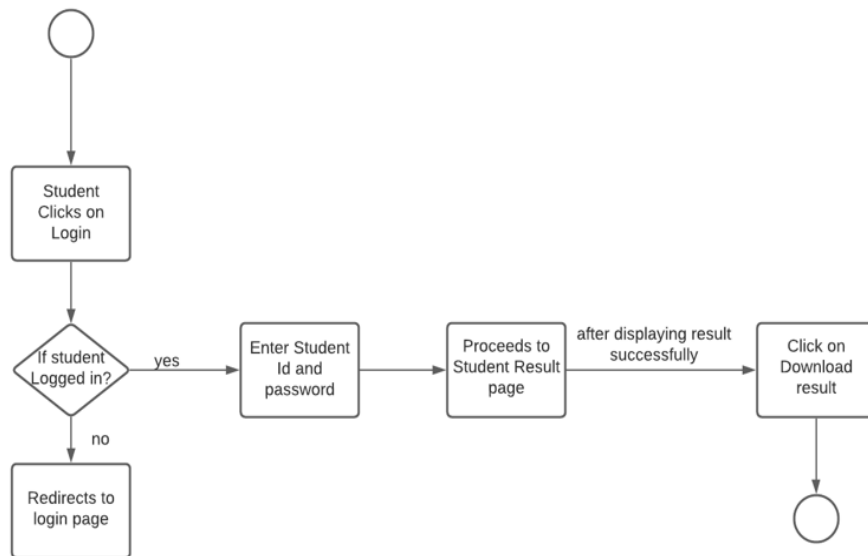
Student Service:

Login:

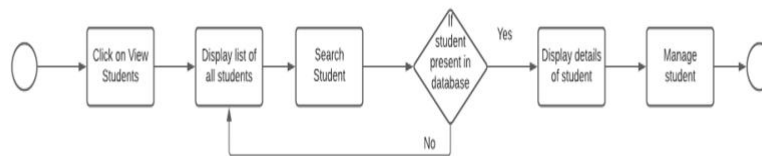


Result Service:

View Results:



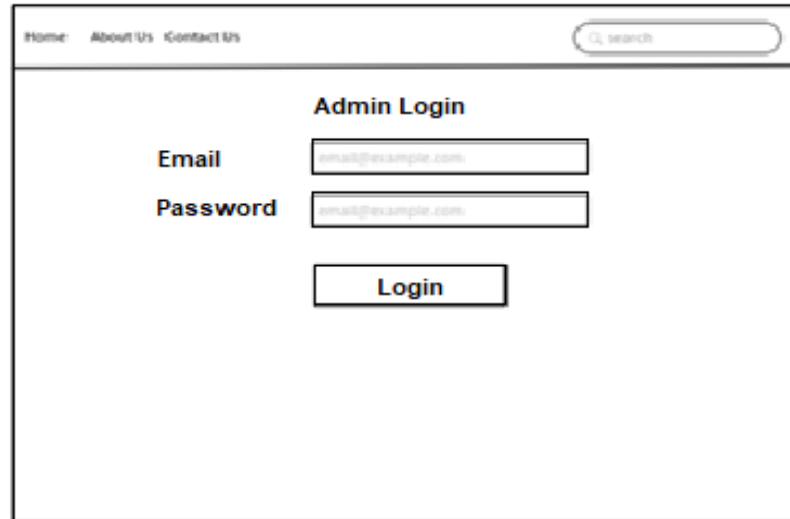
View Student Details:



Wireframes

Admin Service:

Admin Login:



Home About Us Contact Us

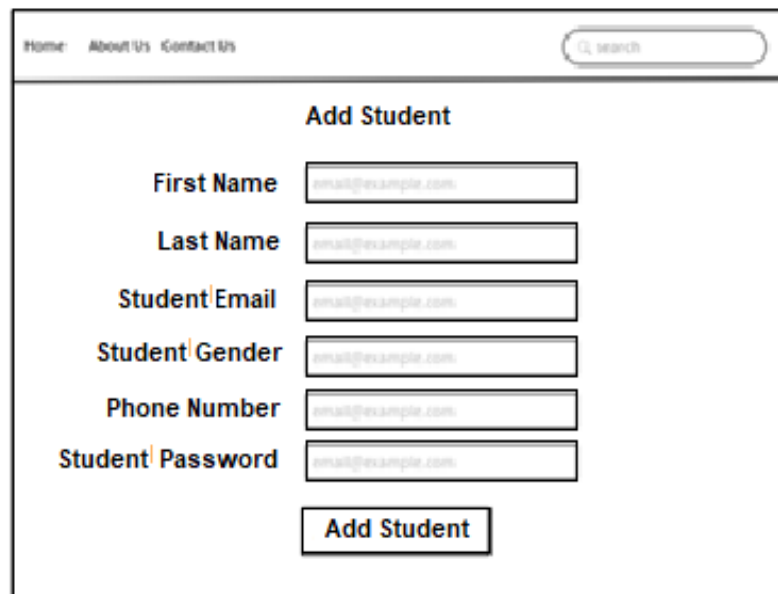
Admin Login

Email

Password

This wireframe shows the Admin Login page. It features a header with navigation links (Home, About Us, Contact Us) and a search bar. The main content area is titled 'Admin Login' and contains two input fields for 'Email' and 'Password', both pre-filled with 'email@example.com'. Below the inputs is a 'Login' button.

Student Registration:



Home About Us Contact Us

Add Student

First Name

Last Name

Student Email

Student Gender

Phone Number

Student Password

This wireframe shows the Student Registration page. It features a header with navigation links (Home, About Us, Contact Us) and a search bar. The main content area is titled 'Add Student' and contains six input fields for 'First Name', 'Last Name', 'Student Email', 'Student Gender', 'Phone Number', and 'Student Password'. The 'Student Password' field is a password input. Below the inputs is an 'Add Student' button.

Admin Registration:

[Home](#) [About Us](#) [Contact Us](#)

Add Admin

Admin First Name	<input type="text" value="email@example.com"/>
Admin Last Name	<input type="text" value="email@example.com"/>
Admin Email	<input type="text" value="email@example.com"/>
Gender	<input type="text" value="email@example.com"/>
City	<input type="text" value="email@example.com"/>
Admin Password	<input type="text" value="email@example.com"/>

ADD ADMIN

Add Course:

[Home](#) [About Us](#) [Contact Us](#)

Add Course

Course Id	<input type="text" value="email@example.com"/>
Course Name	<input type="text" value="email@example.com"/>

Add Course

Add Branch:

[Home](#) [About Us](#) [Contact Us](#)

Add Branch

Branch Id

Name

Add Branch

Add Subject:

[Home](#) [About Us](#) [Contact Us](#)

Add Subject

Subject Id

Subject Name

Add Subject

Student Service:

Login:

[Home](#) [About Us](#) [Contact Us](#)

Student Login

Student Id/Roll Number

Course/Semester

PassWord

Login