

ALGORITRHM

1. Class Management:

1.1 Add a New Class:

- a. Display a form to collect class information (e.g., class name).
- b. Validate the input data.
- c. Create a new instance of the `Class` model.
- d. Set the properties of the `Class` object with the entered class information.
- e. Save the `Class` object to the database.

1.2 View Class Details:

- a. Retrieve and display details of a selected class from the database.

1.3 Edit Class Information:

- a. Display a form pre-populated with the current class information.
- b. Validate the updated input data.
- c. Update the properties of the corresponding `Class` object.
- d. Save the changes to the database.

1.4 Delete Class:

- a. Confirm the deletion of a class.
- b. Remove the corresponding `Class` object from the database.

2. Student Management:

2.1 Add a New Student:

- a. Display a form to collect student information (e.g., first name, last name).
- b. Validate the input data.
- c. Create a new instance of the `StudentClass` model.
- d. Set the properties of the `StudentClass` object with the entered student information.
- e. Save the `StudentClass` object to the database.

2.2 View Student Details:

- a. Retrieve and display details of a selected student from the database.

2.3 Edit Student Information:

- a. Display a form pre-populated with the current student information.
- b. Validate the updated input data.
- c. Update the properties of the corresponding `StudentClass` object.
- d. Save the changes to the database.

2.4 Delete Student:

- a. Confirm the deletion of a student.
- b. Remove the corresponding `StudentClass` object from the database.

3. Subject Management:

3.1 Add a New Subject:

- a. Display a form to collect subject information (e.g., subject name).
- b. Validate the input data.
- c. Create a new instance of the `Subject` model.
- d. Set the properties of the `Subject` object with the entered subject information.
- e. Save the `Subject` object to the database.

3.2 View Subject Details:

- a. Retrieve and display details of a selected subject from the database.

3.3 Edit Subject Information:

- a. Display a form pre-populated with the current subject information.
- b. Validate the updated input data.
- c. Update the properties of the corresponding `Subject` object.
- d. Save the changes to the database.

3.4 Delete Subject:

- a. Confirm the deletion of a subject.
- b. Remove the corresponding `Subject` object from the database.

Note:

- According This algorithm appropriate models, controllers, and views set up in your ASP.NET MVC

In my application.

- Error handling and user feedback mechanisms should be incorporated at each step for a robust application.