Write up

Step 1: Setup the Project

1. Open Visual Studio 2019 Community Edition.

2. Create a new ASP.NET Web Application.

3. Choose the MVC template and ensure the target framework is set to the desired version.

4. Configure authentication if required (for admin access).

5. Click on "Create" to generate the project.

Step 2: Set Up the Database

1. Open SQL Server Management Studio (SSMS).

2. Create a new database (e.g., "RainbowSchoolDB").

3. Create tables for Student, Subject, and Classe. Define appropriate columns and relationships.

4. Populate the tables with sample data.

Step 3: Create Models

1. Right-click on the "Models" folder in the project.

2. Add new classes for Student, Subject, and Classe. Define properties matching the database table columns.

3. Use data annotations for validation attributes if needed.

Step 4: Create Controllers

1. Right-click on the "Controllers" folder.

2. Add new controllers for Student, Subject, and Classe. Choose the "MVC 5 Controller with views, using Entity Framework" option.

3. Configure the data context to your database.

4. Scaffold CRUD actions for each controller (Index, Create, Edit, Delete).

Step 5: Create Views

1. In each controller folder, you'll find generated views for Index, Create, Edit, and Delete actions. Customize these views as needed for your application's design.

Step 6: Configure Routes

1. Open "RouteConfig.cs" in the "App_Start" folder.

2. Configure routes for your controllers and actions if needed.

Step 7: Test the Application

1. Run the application and navigate to the Student, Subject, and Classe sections.

2. Test the CRUD operations to make sure data is being retrieved, added, edited, and deleted correctly