PROJECT INTRODUCTION

Student Management MVC Application

This project is an ASP.NET Core MVC web application used to manage student records.

It supports viewing, adding, editing, and deleting students, and viewing reports.

Technologies Used:

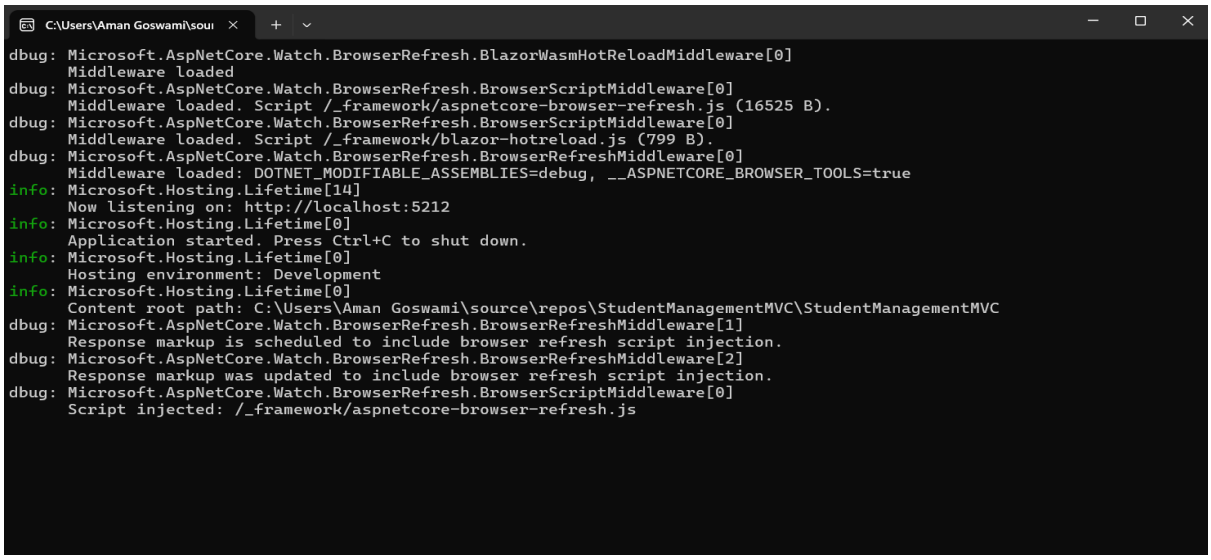
- ASP.NET Core MVC

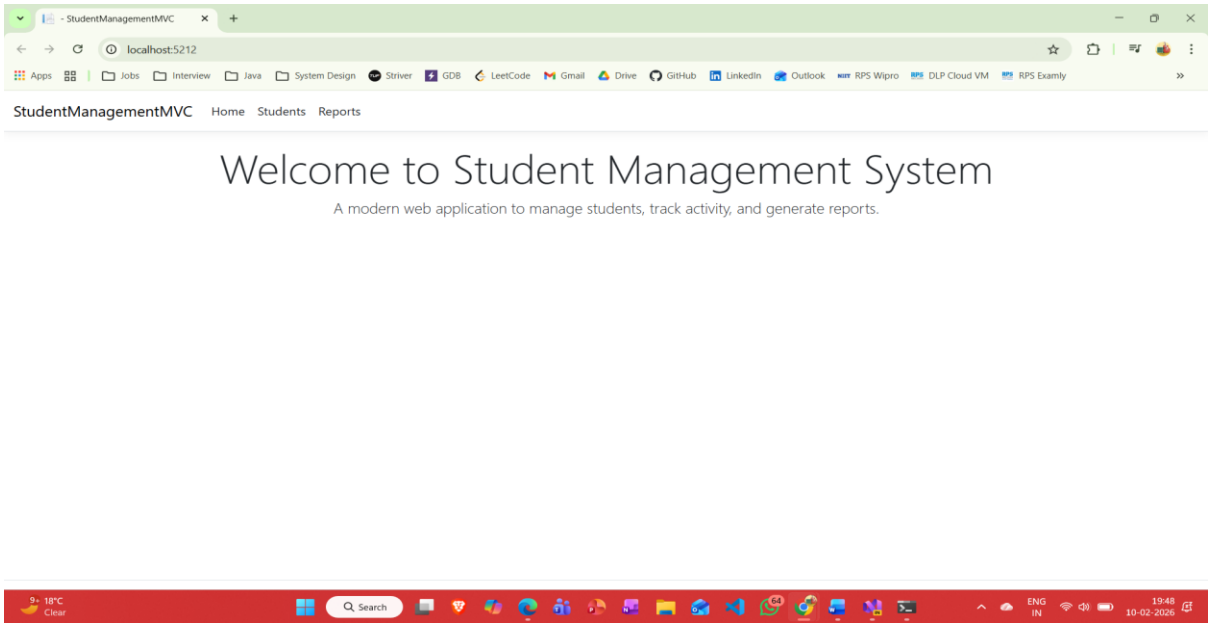
- Entity Framework Core

- ADO.NET

- SQL Server

RUN PROJECT & LOCALHOST





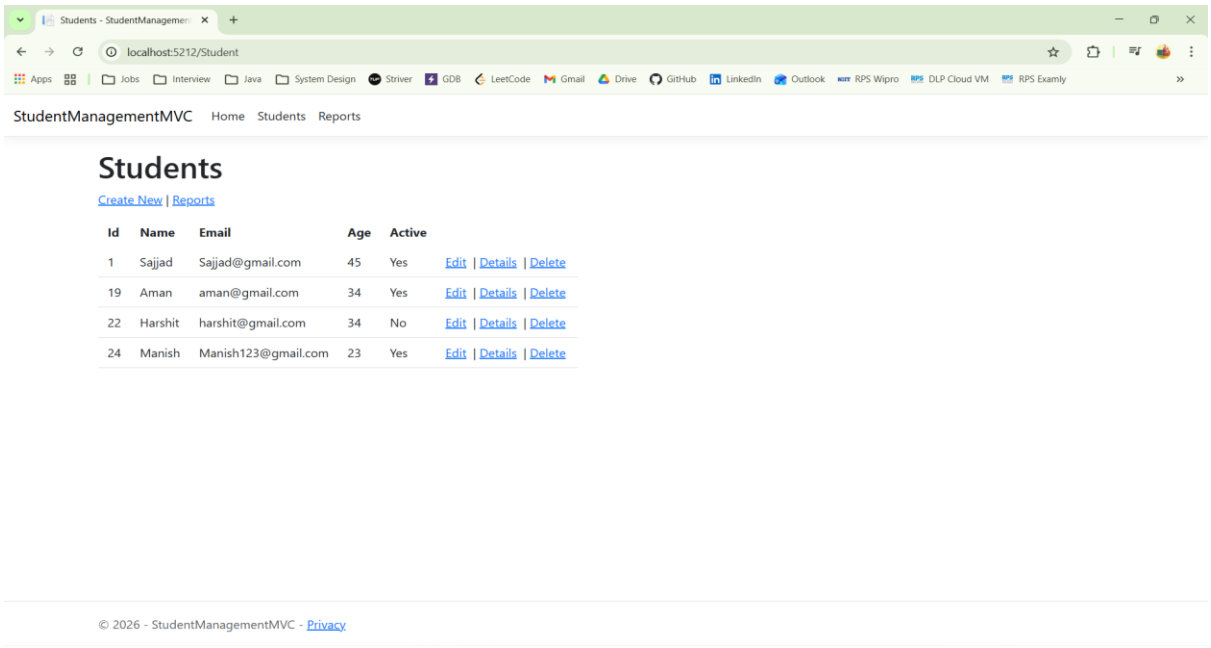
After clicking Run, the application starts from Program.cs.

The web server starts when app.Run() executes, and localhost opens automatically.

STUDENTS LIST PAGE

This page displays all students fetched from the database.

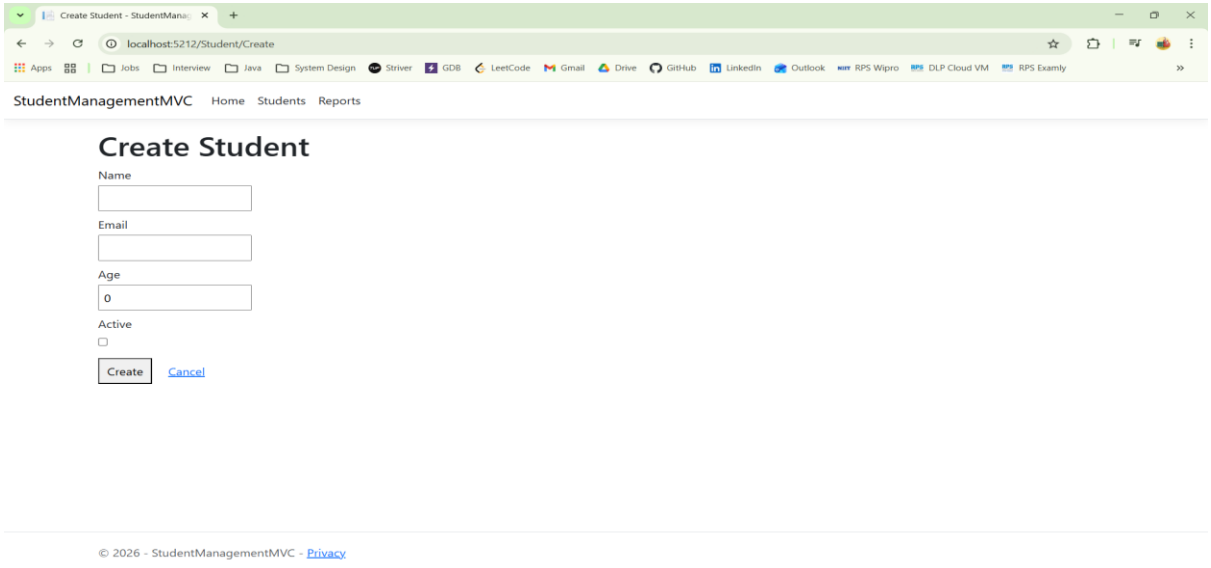
The request is handled by StudentController, and data is retrieved using StudentService and EF Core.



ADD STUDENT PAGE

This page allows adding a new student.

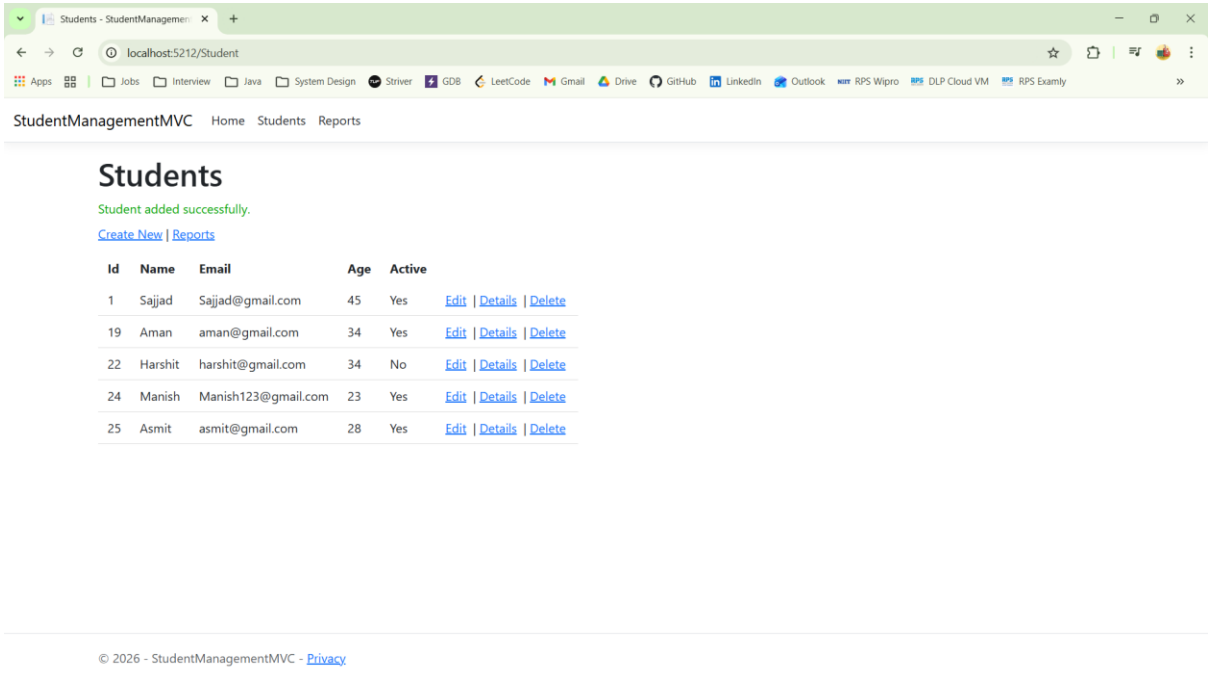
User input is validated, and data is saved to the database using Entity Framework Core.



ADD STUDENT SUCCESS

After submitting the form, the student is saved to the database.

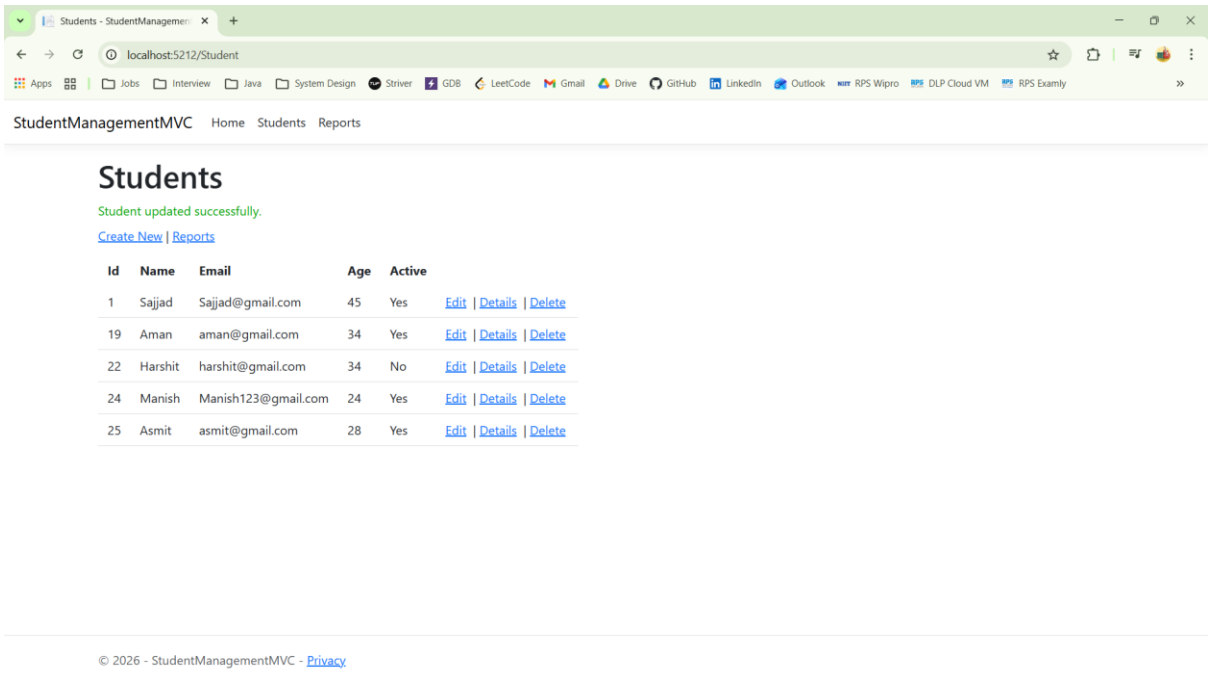
A success message is displayed, and the updated list is shown.



EDIT STUDENT

This page allows editing an existing student.

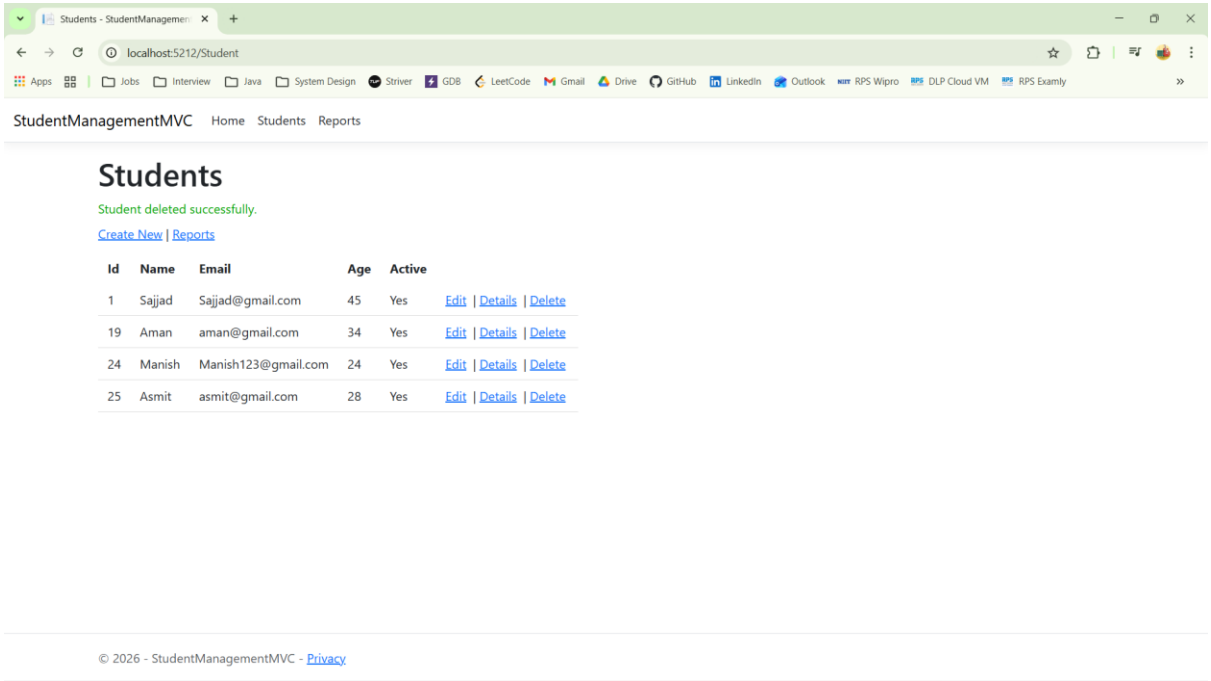
The data is loaded from the database and updated using Entity Framework Core.



DELETE STUDENT

This page confirms student deletion.

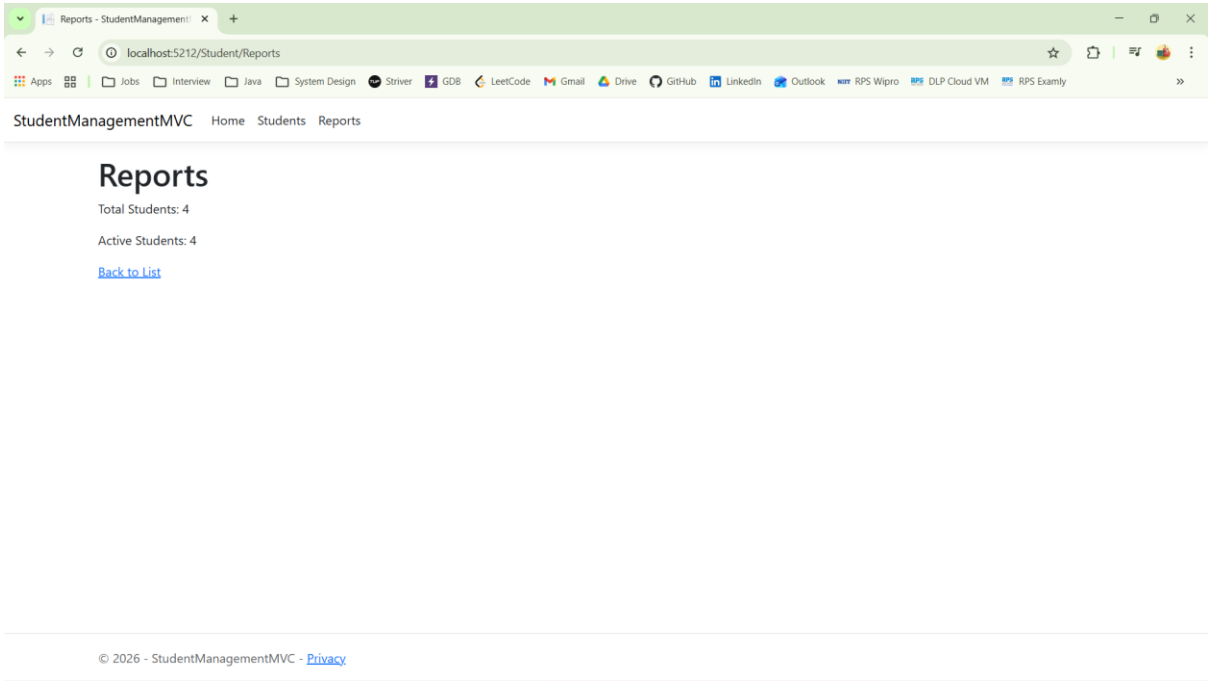
After confirmation, the record is removed from the database.



REPORTS PAGE

This page displays student reports.

ADO.NET is used here to fetch total and active students directly from the database.



DATABASE

This screenshot shows the Students table stored in SQL Server.

The database structure is created using the provided SQL script.