Simple Student Information System (SIS)

Purpose:

This project will allow you to work with arrays, methods, and basic data manipulation while creating a practical Student Information System. **Customize and expand the project as needed** based on your understanding and requirements.

Project Description:

Create a console-based Student Information System (SIS) in C#. The system should allow users to perform the following operations:

Add Student:

- Users can add a new student to the system.
    - Each student should have a unique student ID, name, and a list of enrolled courses.

View Students:

- Users can view a list of all students.
    - The list should display each student's ID, name, and the courses they are enrolled in.

Search for Students:

- Users can search for a student by entering their student ID.
    - Display the student's information if found; otherwise, show an appropriate message.

Add Class:

- Users can add a new class to the system.
    - Each course should have a unique ID and a name.

Enroll Students in Courses:

- Users can enroll students in courses.

Requirements:

Arrays:

- Use arrays to store information about students and courses.

Methods:

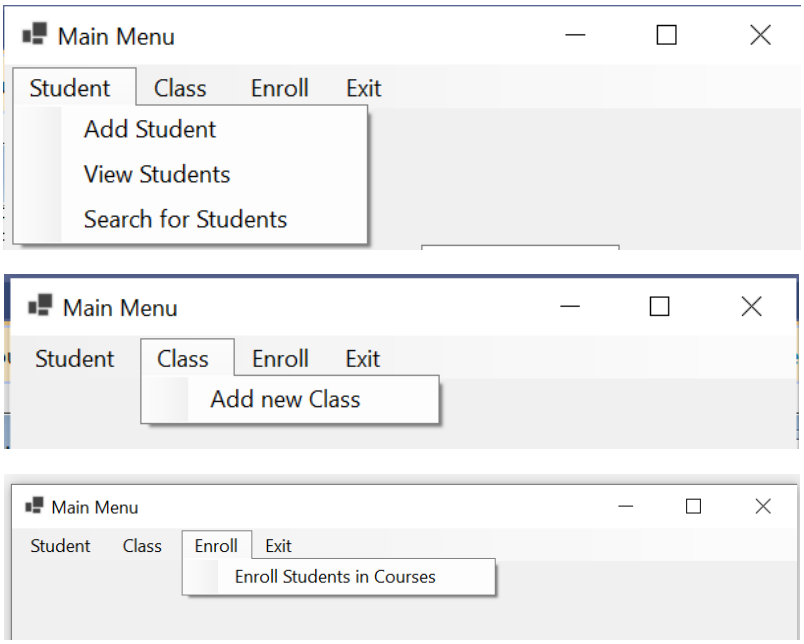
- Implement methods for adding students, viewing students, searching for students, enrolling students in courses …etc.

Main Menu:

Your project must have a main menu for users to select the operation they need to perform. The main menu will serve as a central point of navigation and help users interact with different features and functionalities of the application**.**

Good luck!

- Main Menu Example:



Grading Criteria:

Your project will be evaluated based on the following criteria:

- **Functionality (50%):**
  - Does the application perform the required operations (add, view, search, enroll)?
  - Are students and courses stored and displayed correctly?

- **Code Organization and Readability (40%):**
  - Is the code well-organized with meaningful methods?
  - Are variable names descriptive?
  - Is the code easy to read and understand? Does the code include all the necessary comments?
  - Does the code handle errors in cases such as searching for a **non-existent student** or enrolling in a **course that does not exist?**
- **Use of Concepts (10%):**
  - Are arrays and methods used appropriately?

Submission:

- Submit your project as a compressed folder containing all the C# source code files.
- A pdf file includes screenshots explaining how your application works. It must consist of at least one screenshot of each operation. You can add any additional information you think is necessary.

Good luck!