# Assignment – 4 (ASP.NET Core MVC + EF Core)

Title: Student – Course Management System (One-to-Many Relationship)
Problem Statement:
Develop an ASP.NET Core MVC web application to manage Students and their Courses using
Entity Framework Core.
Each Student can enroll in multiple Courses, but each Course belongs to only one Student.

Entity Details:
1. Student
- StudentId (int, Primary Key)
- FirstName (string)
- LastName (string)
- Courses (List<Course>)


2. Course
- CourseId (int, Primary Key)
- CourseName (string)
- StudentId (int, Foreign Key)
- Student (Student)

Tasks to Perform:
Part A: Project Setup
1. Create ASP.NET Core MVC application
2. Configure SQL Server connection
3. Create DbContext

Part B: Entity Framework Core
1. Create entity classes
2. Establish One-to-Many relationship
3. Apply EF Core migrations

Part C: MVC CRUD Operations(- Bootstrap styling)
Student Module:
- Add, View, Edit, Delete Student

Course Module:
- Add, View, Edit, Delete Course
- Assign Course to Student using dropdown