

ASP.NET Core MVC Assignment: Code-First Approach

Objective:

The purpose of this assignment is to help you understand and implement the **Code-First Approach** in **ASP.NET Core MVC** using **Entity Framework Core**. You will create a basic application with at least **three model classes**, apply migrations, insert sample data upon database creation, and implement a controller with views for CRUD operations.

Requirements:

1. Create a new **ASP.NET Core MVC** project.
2. Implement at least **three model classes**.
3. Use the **Code-First Approach** with **Entity Framework Core**.
4. Configure relationships between the models where necessary.
5. Insert sample data upon model creation.
6. Run database migration and test data insertion.
7. Create a **Controller** for one model that includes **List, Create, and Edit** actions.
8. Implement **Views** for the previous actions using **pure HTML and HTML helpers**.

Submission Guidelines:

- Submit the **source code** in a ZIP file or a link to the **GitHub repository**.
- Ensure your project runs without errors before submission.
- Include screenshots of **database tables with sample data** and **working UI**.