Project Development Steps

1. Form your groups for minimum 1 maximum 4 friends.

2. After your project's phases are completed, you will need to upload your Solution to any friend's GitHub account and send the GitHub Repository link to the instructor including the project team member names.

3. Choose a domain other than Users for your project from:
https://need4code.com/DotNet?path=.NET%5C00_Files%5CProjects%5CProject%20Diagrams.jpg
If you want to develop your project from another domain of yours, create the E-R or Class Diagram and send it to the instructor via e-mail for approval.
For another domain of yours, you must have different data types (string, decimal, DateTime, bool, int, etc.) in entities, and one 1 to Many and one Many to Many relationship between your domain entities.
If you need another project idea, you can contact the instructor via e-mail.

4. Create your entity classes in your solution's Application (APP) Project Domain.

5. Create DbSets in your Database Context class for each entity in your APP Project Domain.

6. Define the connection string in your MVC Projects' appsettings.json file.

7. Manage the dependency of your Database Context class in the Inversion of Control (IoC) Container section in the Program.cs file of your MVC Projects.

8. Create your databases.

9. Create request, response and service classes for CRUD (Create, Read, Update and Delete) operations for each entity other than the many to many relational entities of your APP Project Domain. Implement IService interfaces.

10. Manage Inversion of Control for the service classes in the Inversion of Control (IoC) Container section in the Program.cs file of your MVC Project.

11. Copy the Templates folder from any MVC Project of any previous Solution under your Solution's MVC Projects' root folders.

12. Scaffold the controllers and views for each entity other than the many to many relational entities of your domain.

13. Test your web application.

14. Add Cookie Authentication. Implement Cookie Authentication configurations in the Program.cs file of your MVC Project.

15. Add Authorization for roles Admin to some of the controller actions. For one get action allow anonymous access.

16. Test your web application for Authentication and Authorization.

17. Add session for one of the entities in your domain.