ASP – Final project requirements (16.07.2020)

Your task is to create a simple web application, using ASP.NET Core (MVC or Web API + JS framework like React, Angular, etc.)

**Mandatory**

1. **Structure**
2. At least **5** pages in your project
3. At least **1** html form, sending data to the server
4. At least **1** page, listing data from the server
5. Functionality for editing data from the server
6. Functionality for deleting data from the server
7. At least **1** AJAX call to the server
8. At least **5** unit test, for the application functionality
9. **Technologies and frameworks**
10. ***ASP.NET Core*** – MVC or Web API + JS framework (preferably MVC)
11. ***SQL Server*** (or in-memory DB if you have issues with SQL Server)
12. ***NUnit*** for tests
13. ***Git*** *–* commit your project in GitHub

**Recommended**

1. **Structure**
2. Follow the good practices for creating a web application
3. Separate logical units into folders or projects (Services, Repositories, etc.)
4. Test every new functionality you add in the application
5. Use dependency injection
6. Avoid singleton pattern
7. Avoid magic strings in the code (use separate class with constants instead)
8. Give appropriate names to the variables, methods, classes, interfaces, etc.
9. Avoid comments in the code
10. Avoid unused usings
11. Always place the usings at the same place, in the whole project (outside or inside the namespace)
12. **Technologies and frameworks**
13. ***Entity Framework Core***
14. ***Bootstrap***, for the pages layout

**Addition**

Feel free to extend you application with every other functionality you want. You could add also user management, email sending, pagination, sorting data, responsive design, etc. In addition, it is good to have at least 10 commits in your repository, to prove that you made your project. Good luck!