

Mini Project

Description

You are task to implement a ASP.NET Core 5 website for hosting an online bookstore. The site should include the following functionalities:

- 1) Allow anonymous visitors to get general information about the store and browse the book catalog only
- 2) Allow anonymous visitors to register as member.
- 3) Once as registered member, the visitor be allowed to do purchasing book by selecting books into shopping cart and check out to commit the purchasing. In this aspect, think about how to handle abnormal situations. Database need to be updated upon purchasing is committed. But no real money involve.
- 4) The site also allows a special visitors play a special admin role. This group of visitors can perform special functions of the store such as
 - a. Member Management
 - b. Product Management
- 5) The store should allow multiple visitors access simultaneously.

Technical Requirements:

- 1) ASP.NET Core Template (Non MVC)
- 2) Visual Studio Code
- 3) Microsoft SQL Server as DBMS to store Member and Product data
- 4) At least some part of the data Source access should go through a service layer implemented in ASP.NET Core based microservice
- 5) C# as implementation language
- 6) Blazor is not needed for this project
- 7) You are encouraged to apply AJAX in one or more pages for purpose of demonstrating your ability in dealing with this feature
- 8) If you have azure account and know how to configure the site pointing back to your database server, can try deploy the site to cloud

If you have more time, freely include some cosmetic features, such as “remember me”, better look and feel with CSS, etc.

Project Complexity: 12 Hours

Expected Completion: Today 3:30pm

Team Setup: 3 – 4 Students/Team. Elect a team lead. The team members should be assigned the development of some part of the project to meet the deadline.

Notes: This mini-Project is just serves as prototype to consolidate and demonstrate most of the aspects covered in this training. Just keep everything as minimal as possible.