Assignment

Build an ecommerce web site with minimum functionality below:

**For customers:**

* Home page: category menu, features products
* View products by category
* View product details
* Product rating
* Register
* Login/Logout
* Optional (shopping cart, ordering)

**For admin:**

* Login/logout
* Manage product categories (Name, Description)
* Manage products (Name, Category, Description, Price, Images, CreatedDate, UpdatedDate)
* View customers

The project should apply as many techniques of ASP.NET MVC Core as possible. For example: TagHelpers, ViewComponents, Razor Pages and have Unit Test. The Unit Test do not need to have a high coverage number but should demonstrate the ability to write unit test for common components: Controllers, ViewComponents, Services, …

**Backend (APIs)**

ASP.NET Core

(OpenIddict or Identity Server 4)

Entity Framework Core

SwaggerUI

**Shared ViewModels**

.NET Standard Library

**Admin site**

React

**Customers site**

ASP.NET MVC Core

Razor Pages

SQL Server or

SQLite

Recommended architecture

**Scoring portions**

* 15% commit quality: For example, the code should be checked-in everyday, comments of commits, quality of commit history.
* 55% runnable and meet all the requirement.
* 30% beyond runnable: good layout, good code, rich features