**Online Store App**

**Overview:**

The store app is a software that helps customers purchase products from your business. Designed with functionality that would make virtual shopping much simpler!

**Functionality:**

* The customer should be able to sign up for an account
* The customer should be able to place orders
* The customer should be able to view their order history
* The customer should be able to view location inventory
* The customer should know how much of a product is remaining
* The customer should be able to purchase multiple products
* The manager should be able to view a location’s order history
* The manager should be able to replenish inventory
* The manager should be able to add a new product to a location’s inventory
* Order histories should have the option to be sorted by date (latest to oldest and vice versa) or cost (least expensive to most expensive)

**Models:**

* Customer
* Location
* Orders
* Product

**Note:** add as much models as you would need for your design

**Additional requirements:**

* Exception Handling
* Input validation (Client and Server side)
* Logging
* At least 20 unit tests
* Data should be persisted, (no data should be hard coded)
* You should use PostgreSQL DB
* DB structure should be 3NF
* Should have an ER Diagram
* Code should have xml documentation
* Front end should be separate from the backend server
* Front end should be user friendly
* Backend service should be RESTful

**Tech Stack:**

* C#
* PostgreSQL DB
* EF Core
* ASP.NET Core
* HTML
* CSS
* JS
* BootstrapJS
* ASP.NET MVC
* Xunit
* Serilog or Nlog