**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