Month One Group Project

Title: E-Commerce Project

Project Specifications

A great and interactive User interface

Great Folder Structure (Three Folder: Frontend, Backend and Background Services)

This Project Takes 1.5 Weeks

Add validation to Add product form (don't use required)

Use MSSQL database.

Use Stored Procedures only.

Use Typescript only, No Framework, no JavaScript.

As a group you should plan how to share the work and how to collaborate with each other.

Deliverables

Documentation of this Project.

Project Code (GitHub link)

A Database Diagram (Auto generate it from MSSQL)

Type of Users

Online User

Admin

Login/Registration Functionality

On Register user send a welcome email (use Background services**)**

Be able to register users into the system.

Only Login registered users only

After login direct the user based on role (i.e., admin to an admin page, and user to user Page)

Admin Side

Add a Carousel

Be able to add A new product.

Be able to Display all products.

De able to display a single Product.

Be able to update a product.

Be able to delete a product.

Be able to delete users (soft delete)

Orders page:

On the Orders page be able to update an order i.e. (move it from pending to Delivered)

User Side

Add a Carousel

Be able to Display all the product.

Able to logout a user

Add Product to cart.

Display a cart.

Cart Functionality

Be able to add a product to the cart, on add again increase the quantity.

Be able to calculate the total amount of items in cart.

Be able to reduce the quantity of an item in cart if quantity is greater than one else remove item from cart.

Be able to remove an item.

Data should be persistent (i.e., if I add two items to the cart and logout then when I login later is should find the two items still in the cart)

Place Order

On place Order

Send email to the User about the Order (Use Background Services)

When an admin updates the order (move it from pending to delivered) send an email to the user notifying him that his order is delivered.

Documentation

Introduction

Functional and Non-functional Requirements

Diagrams:

Activity diagram

Use case diagram.

Sequence diagrams

Class diagram

Entity Relationship diagram

use https://app.diagrams.net/

Conclusion

GROUPS

Cynthia && Samuel && Onan

Piera && Ian && Robert

Elvis && Kuku && Simon && Obed

Brian && Onesmus && kelvin

Koech && Verah && Felix && Jesse

Roy && Christine && John

Project Milestones

Date	Milestone
6th Feb 2023	Wireframe/ Design (use Figma, Wix or any other application) sample https://joendambuki16.wixsite.com/shoe-hub/contact-us
15th Feb 2023	Final presentation