.NET

**Ecommerce Shopping Store**

**INTRODUCTION**

**SETUP CHECKLIST**

**Minimum System Requirements**

* Intel Pentium 4 and Windows 2010
* Memory 4 GB
* Internet Explorer 11.0 or higher / Chrome
* SQL Server 2016 or above client and access to SQL Server
* Visual Studio 2019
* Git for Collaboration

**INSTRUCTIONS**

* The code modules in the project should follow all the coding standards.
* Create a directory by your name in drive <drive>. In this directory, create a subdirectory Project Name. Store your Project here.
* You may also look up the help provided in the MSDN

PROBLEM STATEMENT

**OBJECTIVE**

Need to develop ECommerce Shopping Store using ASP.NET MVC, ASP.NET Web API & Entity Framework

**Abstract of the project:**

CyberShopee wants to set up On Line shopping facility for their Customers. They sell various products belonging to various categories. E.g they have Electronics Items Category having products like TV, Camera etc.

This Online shopping Application should provide the following features to the customers:

* Customer Registration
* View Product Details
* Purchase Products
* Confirm the Order

Note: Other than First Time registration, the other operations are allowed only for registered customers.

Once the Order is confirmed, Cyber shopee will deliver the ordered products to the customer on his address specified during the registration. The Payment mode will be Cash On Delivery.

Develop the Application for the above requirement using MS.NET Technology.

**MODULE LIST and MODULE DETAILS**

**Modules:**

* Customers: This will contain the list of Customers.
* Products: This contains the list of products available in the shopping store for purchase.
* Categories: This will contain various Categories for the Products available.
* Orders: This will contain the Master details of Orders.
* OrderDetails: This will contain the details of the Products Ordered.
* Shopping Cart: This table will store the details about the Cart.

Prototype should follow the functionalities :

* **Login / Sign In**: Login screen would display asking user to enter ‘User Id’ & ‘Passwd’. If the supplied user credentials are valid the HomePage would be displayed, else appropriate Login error message would be displayed
* **First time users Register**: First time new users would use this screen to create their profile (userId and password). On click of ‘Submit’ button new user entry (user id & password) would be saved into database table for further user authentication purpose
* **Home Page**: On successful user authentication (validation of userid/password provided by the user in login screen) the homepage would be displayed. The Homepage would contain below sections/contents:

Header section: The header section would be common across all the pages and would mainly have –

Sign In Link – On click it would take to Login page

Account Link – On click it would take to Account History page which displays all the shopping carts details by the logged in user.

Cart Link – On click it would take to Shopping Cart screen which displays the cart details of the current active Shopping Cart. If no active cart then display message “No Active Cart found.”

Main content section: It would display generic Welcome message giving overview of the site. Also it would display links/images of the most popular product items, on click of popular item link the Product Detail screen would be displayed showing the product description, amount and option of adding the item to the cart. Also a link to Category Page should be displayed, which will display all the categories and allow the user to select the product from that specific category.

* **Category View and select product**: This screen allows the customers to see all the categories and select the category to purchase the product from that category. Depending upon the selection, It should go to Product Details screen displaying the details about the products in that category.
* **Product Detail:** This screen allows the Customers to see the products from the selected category. It should provide the option to Add select product to Cart.
* **Shopping Cart:** It would display all the products added to cart, below fields are to be displayed for each added product.
* Product Id
* Product Name
* Model
* Quantity – User can change the quantity of any product
* Price
* Sub-total (Price \* Quantity)
* Total Amount

Remove option for removing any of the products from the shopping cart.

Update Shopping cart – This link to be provided for updating the shopping cart (sub-total amount, selected items to be removed). On click of this link the page would be refreshed with the updated subtotal amount (i.e.

Quantity \* Price)

Final Check Out – This link would be used by the user to do the final check out (for confirmation and submission of the order)

Create the following tables

* Customers: Customer Id, Full Name, Email Address, Password, delivery address
* Products: ProductsId, CategoryId, ModelNumber, ModelName, Unit

Cost, Description iii. Categories: CategoryId, Category Name, Description

* Orders: OrderId, CustomerId, OrderDate, ShipDate
* OrderDetails: OrderId, ProductId, Quantity, UnitCost
* ShoppingCart: RecordId, CartId, Quantity, ProductId, DateCreated

**Design guidelines**

• All the exceptions/errors to be captured and user friendly message to be displayed on the Common Error page.

Thank you