Documentation on Online Shopping Store

The Application includes listing of products, searching by category, managing the cart using ASP.NET and includes the following features.

1) Home Page

2) Product Search Facility
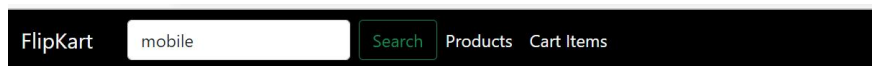
3) Product Detail Page

4) Add to Cart Functionality

Development Components and Concepts :

1).NET Core Library

2)Model Class

3)DbContext Class

4)Interface

5)Data Access Layer

6).NET Core MVC

7)Controller

8)Views

9)MSSQL

10)Code First Approach

11)Migrations

Navigating through the front end :

1)Home Page

In this application , this view is Index.cshtml used for displaying the Home Page which has the navigation menu which includes search bar, Products and Cart Items button. When we search based on the category name products of that particular category are displayed.
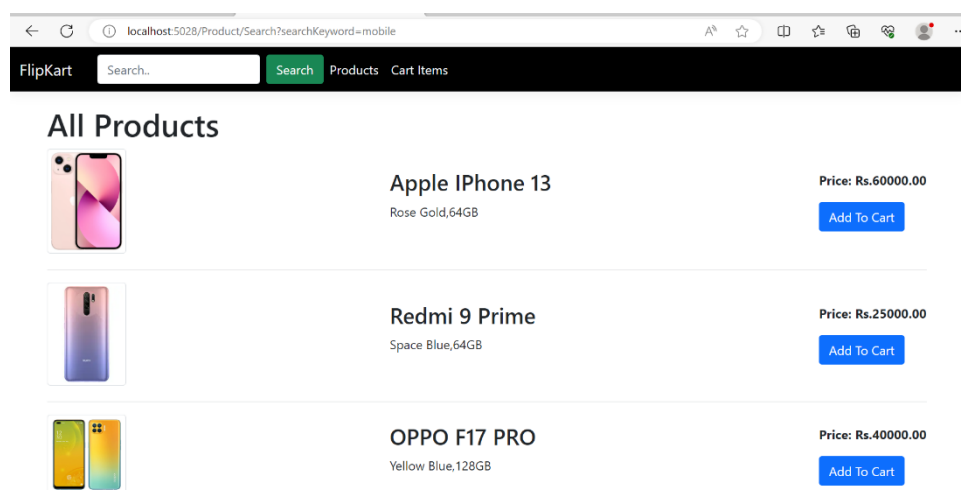

2)Search.cshtml

This view lists all the products based on the category searched. If the wrong Category name is searched, A message is prompted saying category does not exist and lists all the products available.

FlipKart asdcds Search Products Cart Items

Product Category doesnot exist!.

All Products

Apple IPhone 13
Rose Gold,64GB

Price: Rs.60000.00

Add To Cart

Redmi 9 Prime
Space Blue,64GB

Price: Rs.25000.00

Add To Cart

HP Pavilion 14
360 Rotatable,35.6cm

Price: Rs.100000.00

Add To Cart

3)ViewCart.cshtml

This view is used to display the items present in the Cart which includes the details and quantity of the product and the Total Cost of the cart. There is a button is place order or continue shopping. Upon on adding the product to the Cart there is a prompt message saying "Product added Successfully" else if the product already exists there is a prompt saying "Product already exists in the Cart".

localhost:5028/Cart/ViewCart

FlipKart Search.. Search Products Cart Items

Product added to cart successfully.

ViewCart

productName	productDescription	price	imageUrl	quantity			
Apple IPhone 13	Rose Gold,64GB	60000.00		1	Edit	Details	Delete
Redmi 9 Prime	Space Blue,64GB	25000.00		1	Edit	Details	Delete

Total Price: Rs.85000.00

Place Order Continue Shopping

4)Edit.cshtml

This view is used to edit the quantity of items present in the Cart and upon Clicking save the quantity is changed and updated in the database .

5)Delete.cshtml

This view is used to delete a product based on id and the product gets deleted as soon as the button 'Delete' is clicked in the contact list page.

6)ProductDetails.cshtml

This view is used to Display the Details of the product and its features upon clicking the details button present next to the item added in the cart.

6)CheckOut.cshtml

Upon Clicking place order, It is redirected to Checkout page displayed below.

Areas for improvement:

1)Handle exceptions related to quantity if the quantity exceeds the size of datatype or if the quantity becomes zero, prompt a message saying quantity cannot be zero.

2)When the quantity is zero upon click the place order button, the order should not be placed.

3)Usage of Annotations and proper naming conventions to be made.

4)Usage of comments to provide description of all the methods.