Bangladesh University of Engineering and Technology

CSE 408

Software Development

Assignment

Online Product Service

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January 28, 2021

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1 Introduction

In fast paced life of today when everyone is squeezed for time, the majority of people are finicky when it comes to doing physical shopping. Logistically, a consumer finds a product more interesting and attractive when they find it on the website of a retailer directly and are able to see item's details online.Online web stores, such as Amazon and eBay, have gained huge popularity over the years because one can buy almost everything at these stores.
My software project is based on the idea of **Online Shopping** to provide users to buy products from online easily and comfortably.

2 Aim of the Software

The aim of the project is as follows:

- Provide users broader selections, highly competitive prices, better information about the product
- Simplify navigation for searching regarding the product
- Offer business owners online shopping options at low rates
- Make a way of access to a worldwide market for products
- Help to find best products by product **Rating and Review**
- Easy Shipping process providing home delivery

3 Perspective

The online shopping is a web-based system. It can be accessed using Internet Explorer 8.0 and above, Mozilla Firefox 2.0, and Google Chrome.

3.1 User Interface

The three interface types found in the online shopping application are as follows:

3.1.1 Customer Interface

The customers of the online shop buy products. They are the main users of the system. Their acts are as follows:

- view the home page of the web page
- browse the different categories, browse and add any number of items from any categories in the shopping cart
- look for information about each product and provide reviews and ratings

- delete the items in the shopping cart, save the cart for later viewing, check out or continue shopping after adding the item to the cart and
- check out the items by completing the required information in the order form

3.1.2 Vendor Interface

They are the suppliers of the products in the website.Their acts are as follows:

- add and update products
- add discounts
- view storage and sale history
- promote advertising

3.1.3 Admin Interface

Admin controls everything of the web site. He has full control over the database. Customers need Admin approval to purchase cart products.

3.2 S/W Interface

1. Operating System: Windows (Windows 7/8/10) , Linux , MAC OS
2. Web Browser: Mozilla Firefox , Google Chrome
3. Development Environment: Python Django Framework and MySql Database

4 Use Case Diagrams

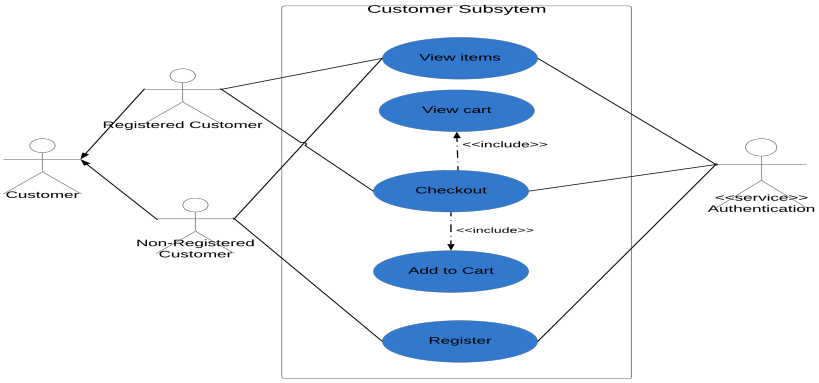

Figure 1: Use Case Diagram : Customer

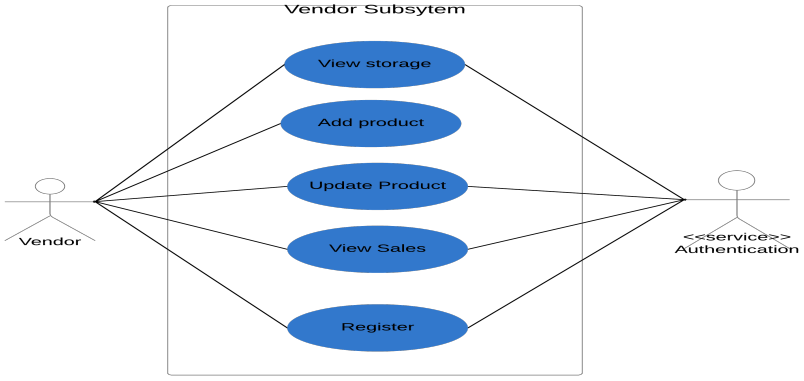

Figure 2: Use Case Diagram : Vendor

5 Activity Diagrams

6 Application Interface

This section describes the different interfaces for the online shopping application. It contains a detailed description about each interface along with a screen shot of the interface.

6.1 Home Page

The home page of the application (Figure) is common to all the system users/vendor. This interface is available through the web application. There is a option **Vendor Homepage** for vendors to go to their own homepage. The default Sign in / Sign up options are for customers. There are various kinds of categories and

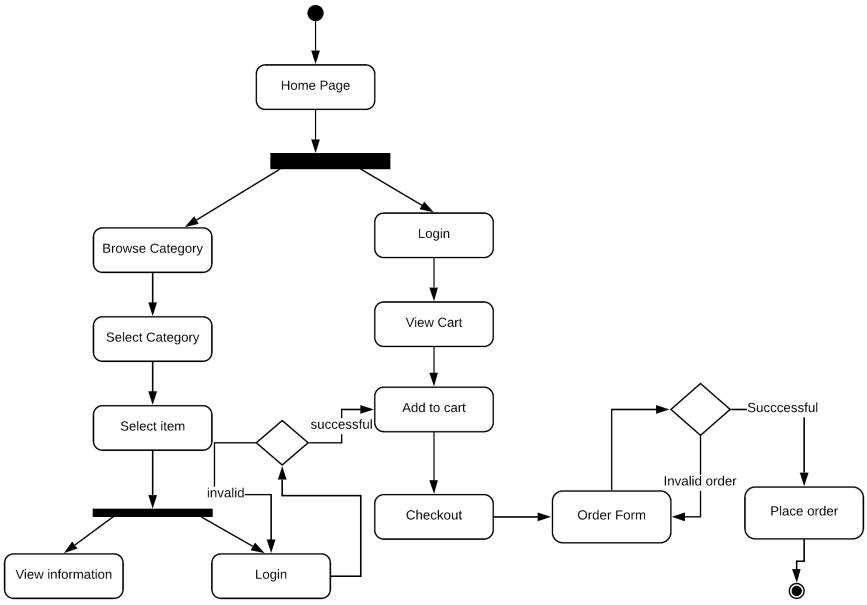

Figure 3: Activity Flowchart : Customer

each category links to an individual page containing the items related to the category to which it is assigned.

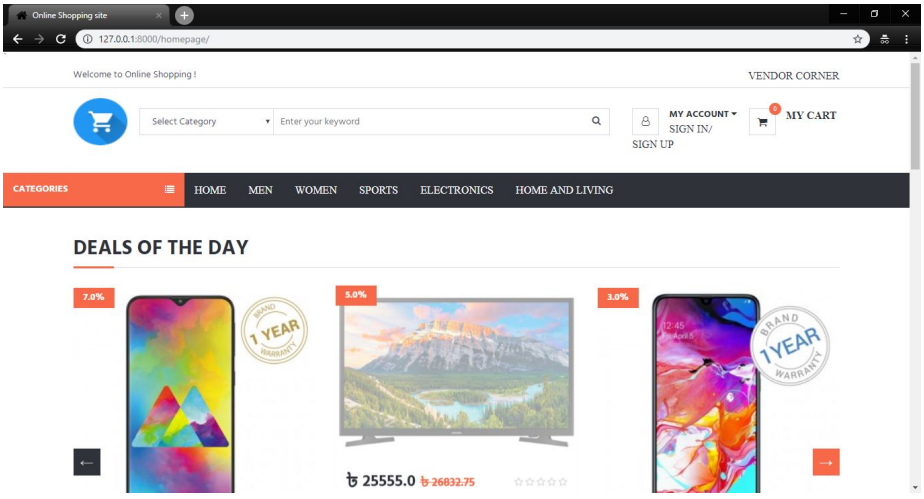

Figure 4: Homepage

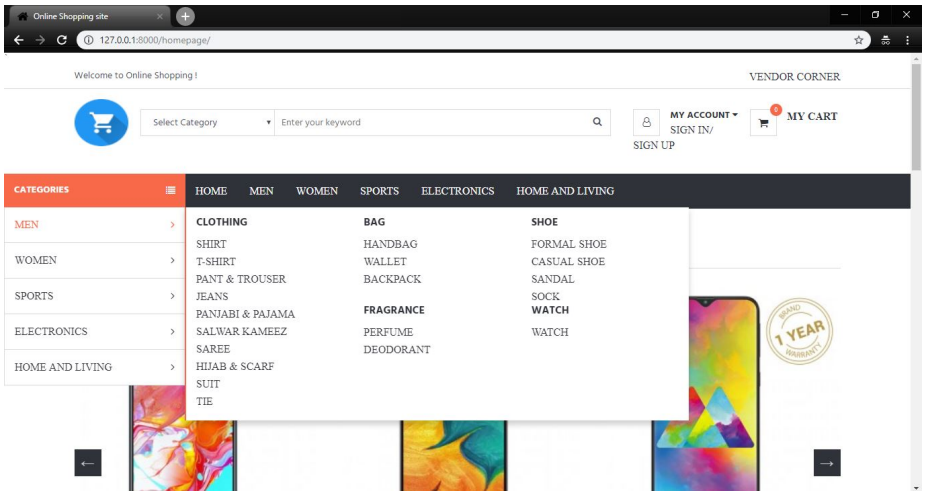

Figure 5: Category

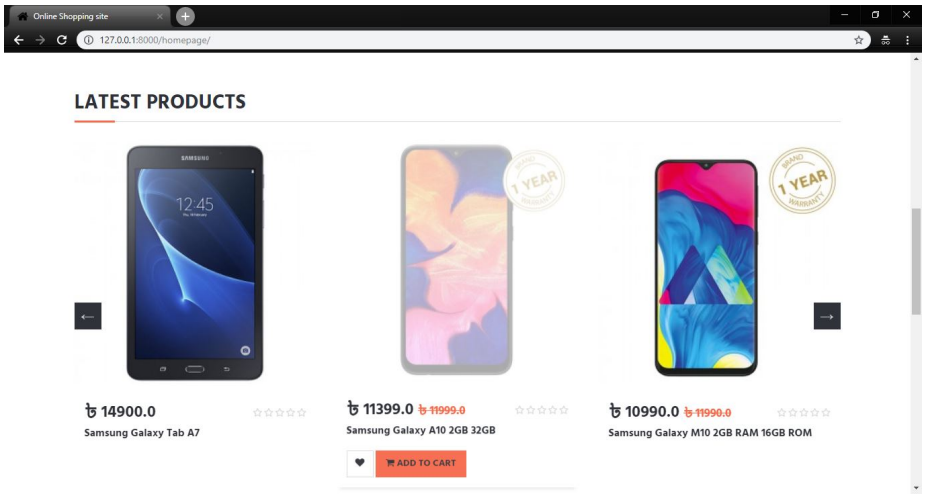

Figure 6: Latest Products

6.2 Products List

Customer can search products or select a category. In both cases he is redirected to the products list page.

He can filter products by price and sort them according to name , rating and price.

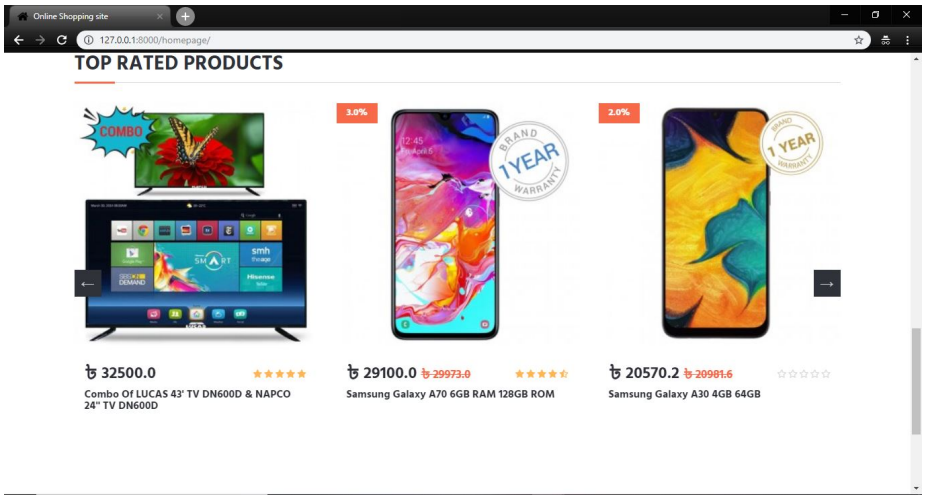

Figure 7: Most Rated Products

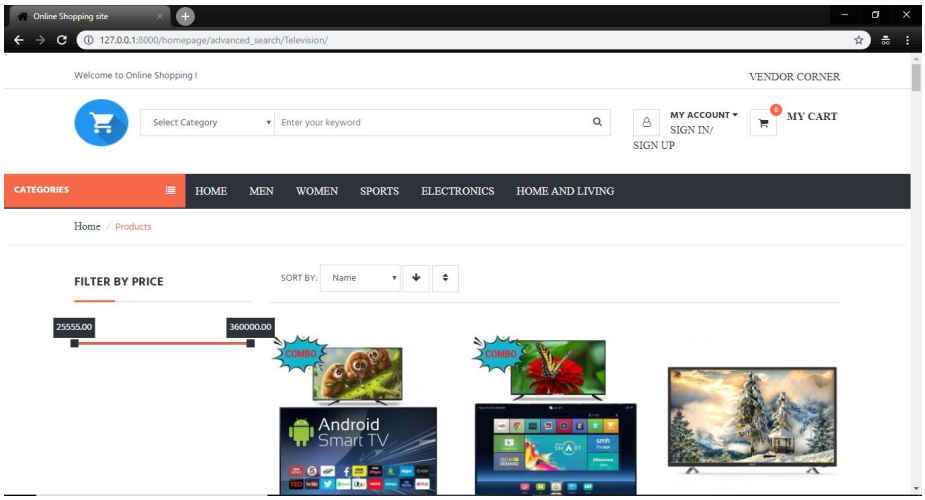

Figure 8: Products List

6.3 Products Details

Customer can view product details by clicking the name. He can add the product to cart, write reviews and provide ratings.

6.4 Login Page

This is the login page of customer. He must have an account for buying products.

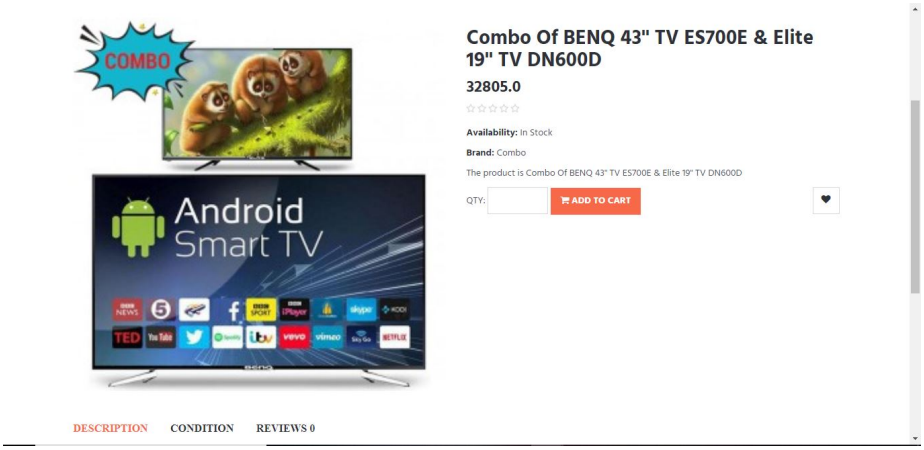

Figure 9: Product Details

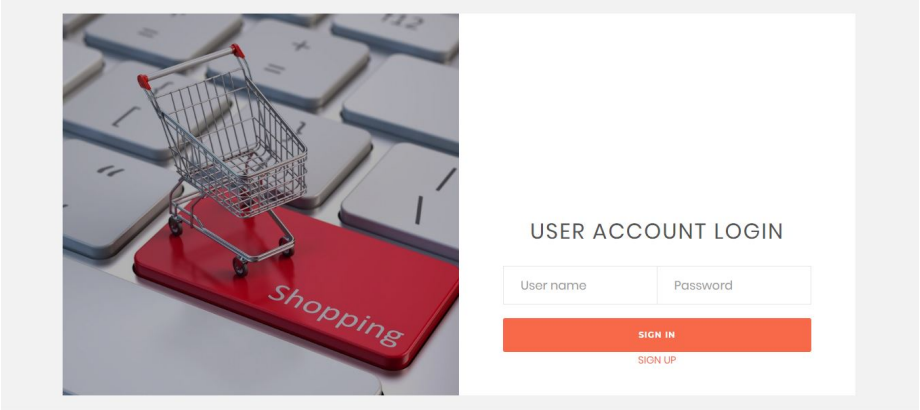

Figure 10: Login Page

6.5 Registration Page

This is the registration page of customer. He must have an account for buying products.

6.6 Cart Details

Customer can view cart details in this page, the products he added to cart.

He can remove products from the cart. From this page he can go to checkout page.

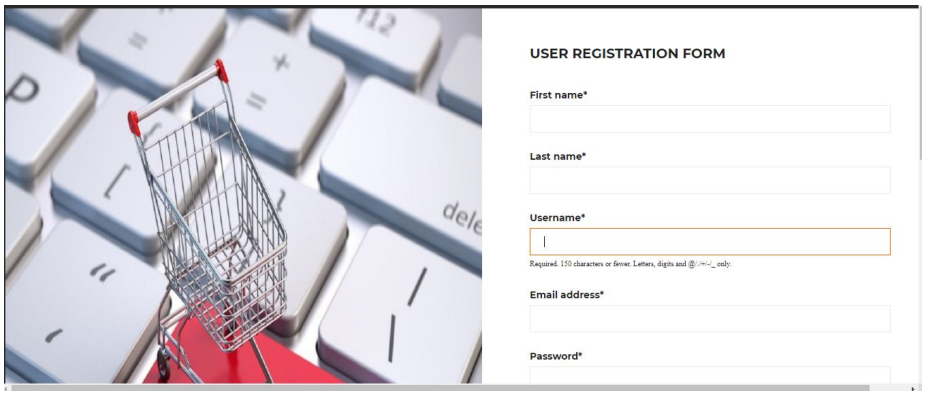

Figure 11: Registration Page

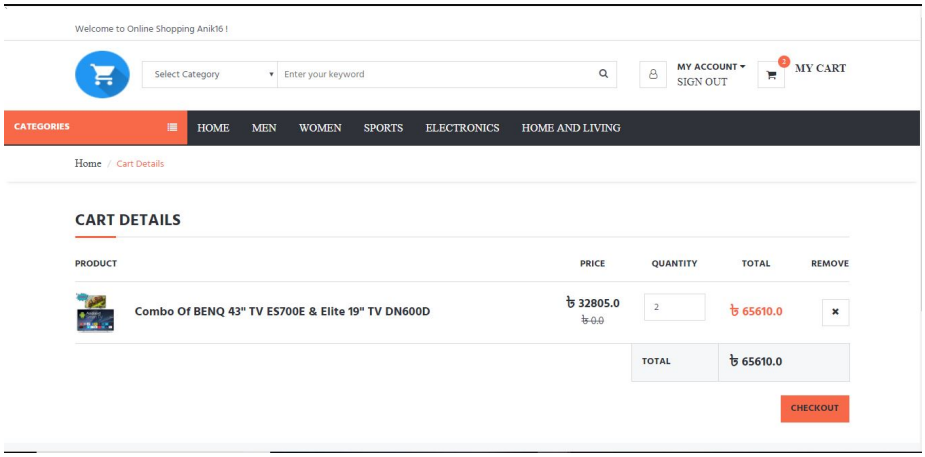

Figure 12: Cart Details

6.7 Checkout Details

Customer can view checkout details in this page and place order.

He can remove products from the cart. From this page he can go to checkout page.

6.8 Pending Orders

Customer can view his pending orders in this page.

6.9 Purchase History

Customer can view his purchase history in this page.

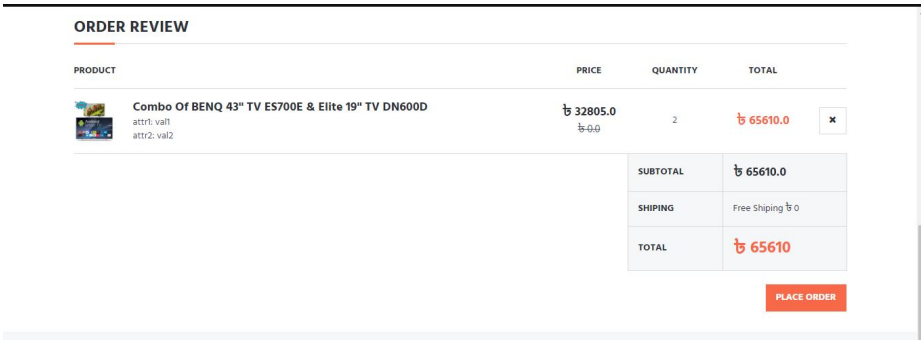

Figure 13: Checkout Details

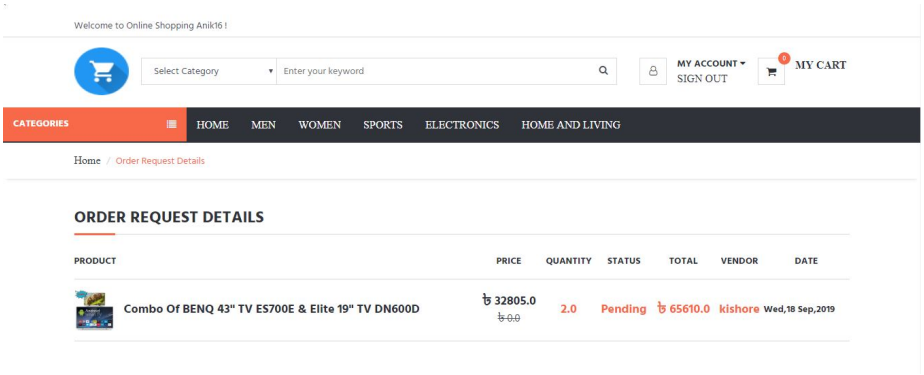

Figure 14: Pending Orders

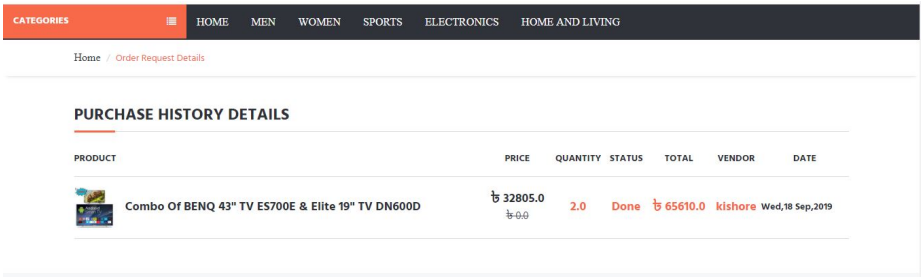

Figure 15: Purchase History

6.10 Vendor Homepage

This is vendor homepage.

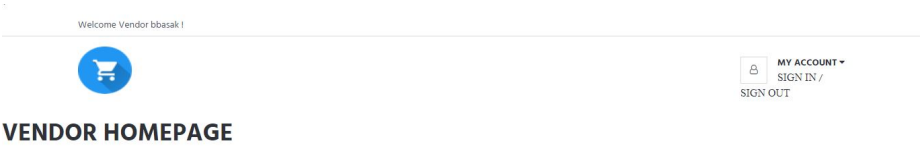

Figure 16: Vendor Homepage

6.11 Vendor Pending Requests

Vendor can see which of his products are requested by customers.

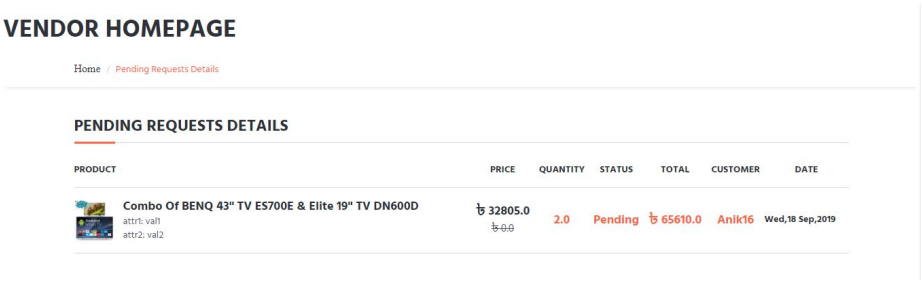

Figure 17: Vendor Pending Requests

6.12 Sales History

This is vendor's sales history.

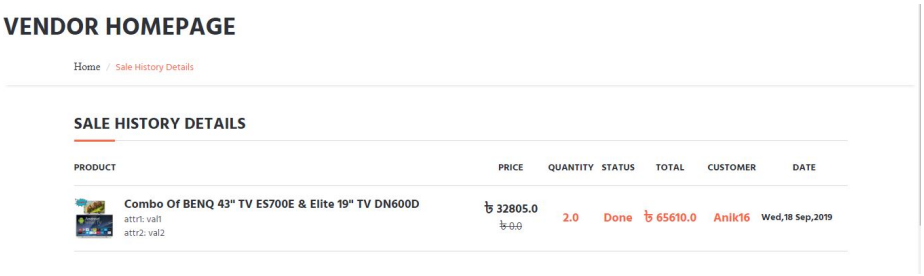

Figure 18: Sales History

6.13 Vendor Storage

Vendor can see his storage here.

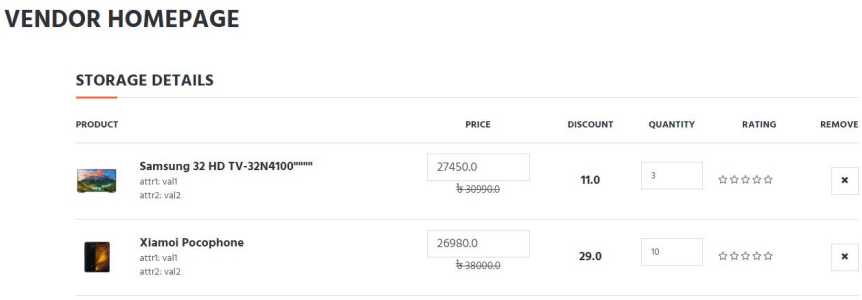

Figure 19: Vendor Storage

6.14 Add Product

Vendor can add new products here.

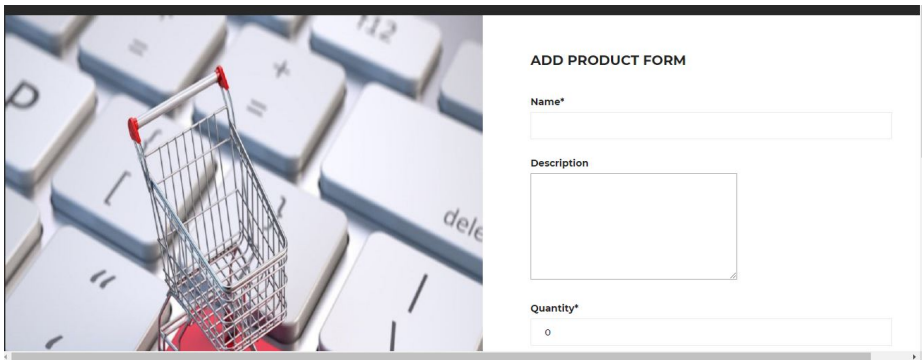

Figure 20: Add Product

6.15 Update Product

Vendor can update products here.

7 Conclusion

After all , the main objective of the project was to provide a platform to purchase products as well as sell them as vendor. The whole process of purchasing and selling products has been completed properly.

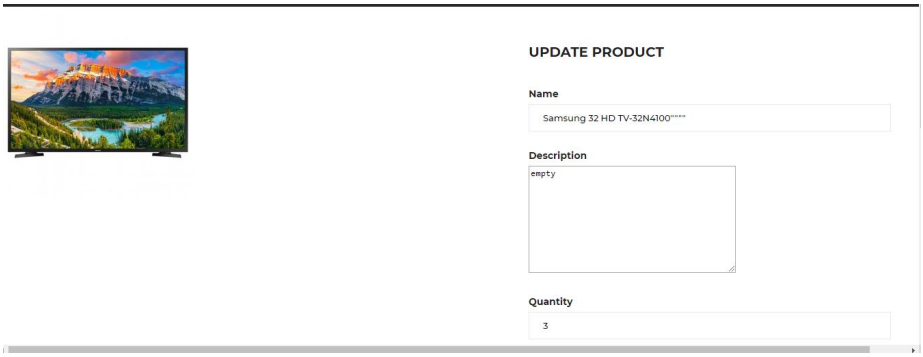

Figure 21: Update Product

8 Future Work

Recommended products , Payment methods , Recent browsed history etc features can be implemented in future work.