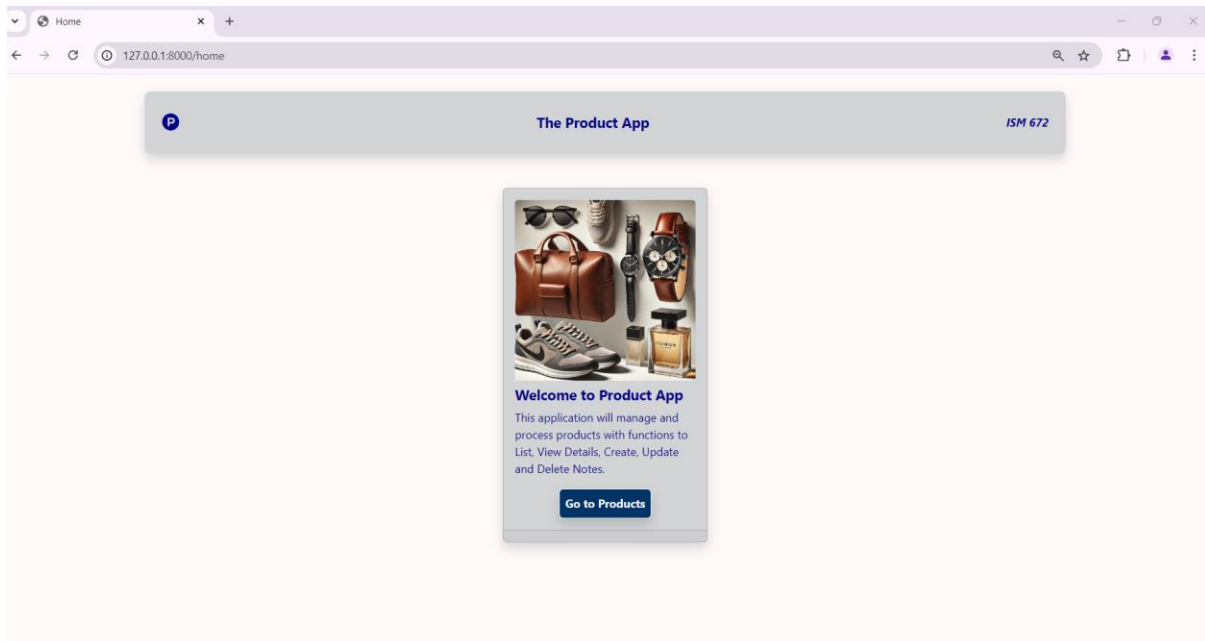


## Full CRUDL with Styles:

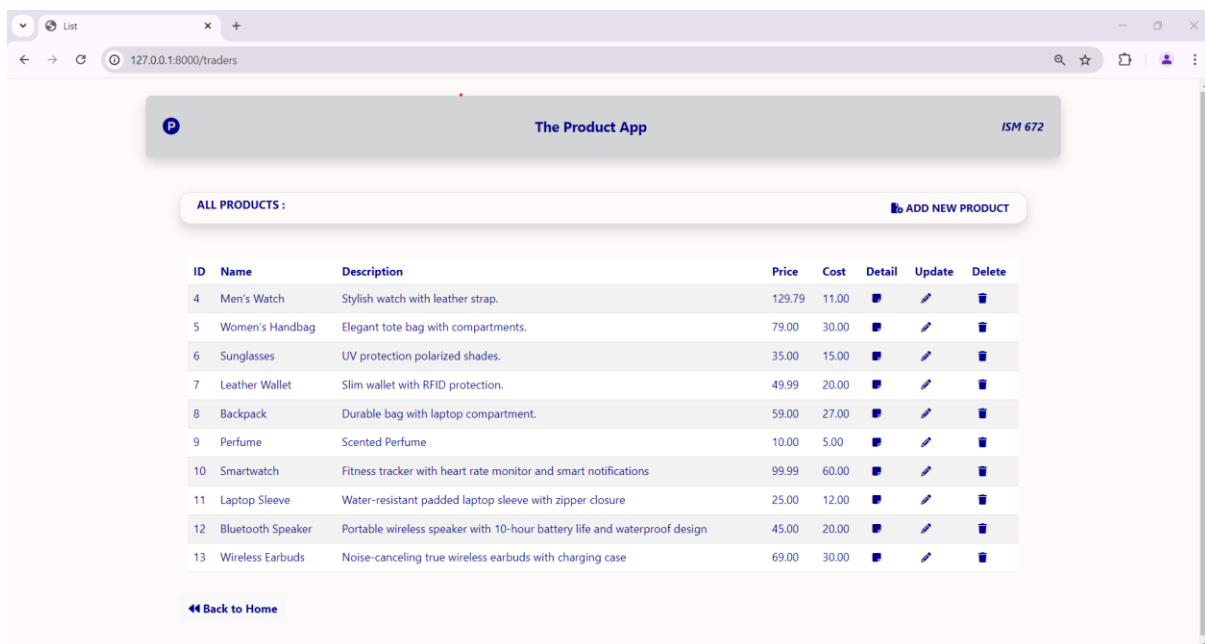
### Home Page of Product Traders:



This is the home page of the Product Traders. Users who click the “Go to Products” button will be redirected to the product list view.

### Requirement: 1

#### I. List View of Product:



The header “All Products” indicates the list view of all Products. Users who click the “Add New Product” will be redirected to the Create Product Form. The product list contains multiple

columns such as Product ID, Product Name, Product Description, Product Price, Product Cost, Detail, Update, and Delete.

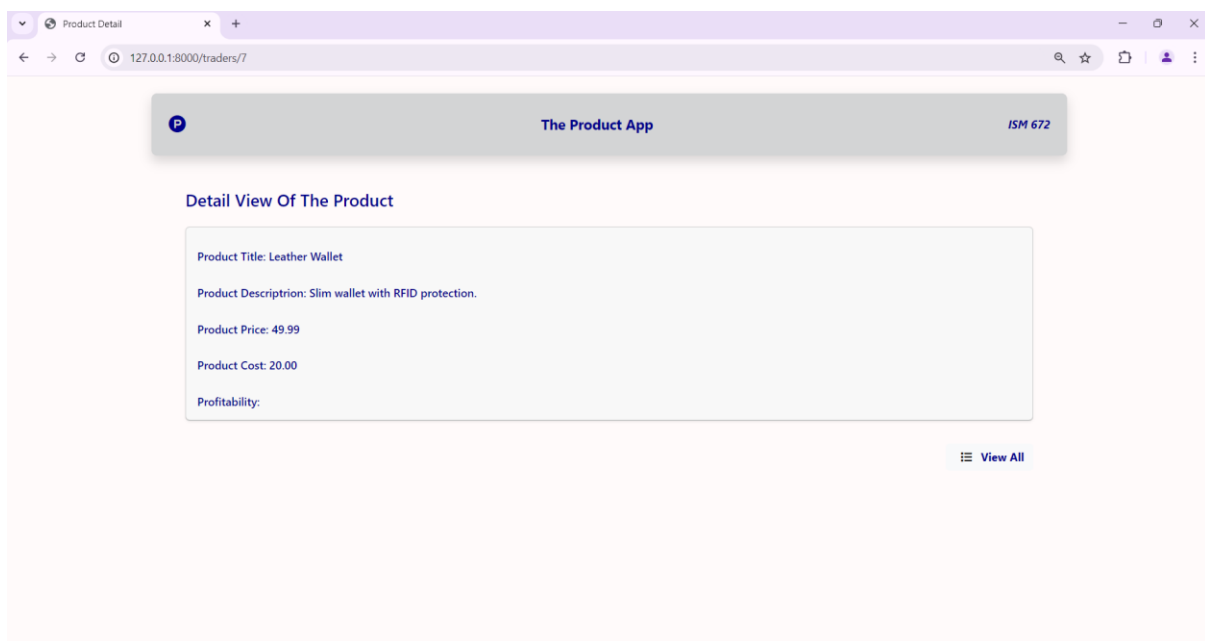
Users click on the **“Detail”** icon for the specific product, they will navigate to the Detail view with all the details of the Product.

Users who click on the **“Update”** icon for the specific product, will navigate to the Update Product view.

Users who click on the **“Delete”** icon for the specific product, will navigate to the Delete Product View.

Users who click on the **“Back to Home”** buttons, will navigate to the Home Page.

## II. Detail view of Product:



This view contains the particular product detail's view. Users who click the **“View All”** button, will navigate to the list view of the product.

## Requirement: II

### III. Create view of the Product:

This is the Create form for the Product. Users can add new products using this form. This form contains the Name, Description, Price, and Cost fields. Users can save the product successfully by clicking on the “Save” button. By clicking on the “Cancel” button, will navigate to the list view of the product.



Product Form

127.0.0.1:8000/traders/new

**The Product App** ISM 672

**Name:**

**Description:**

**Price:**

0.0

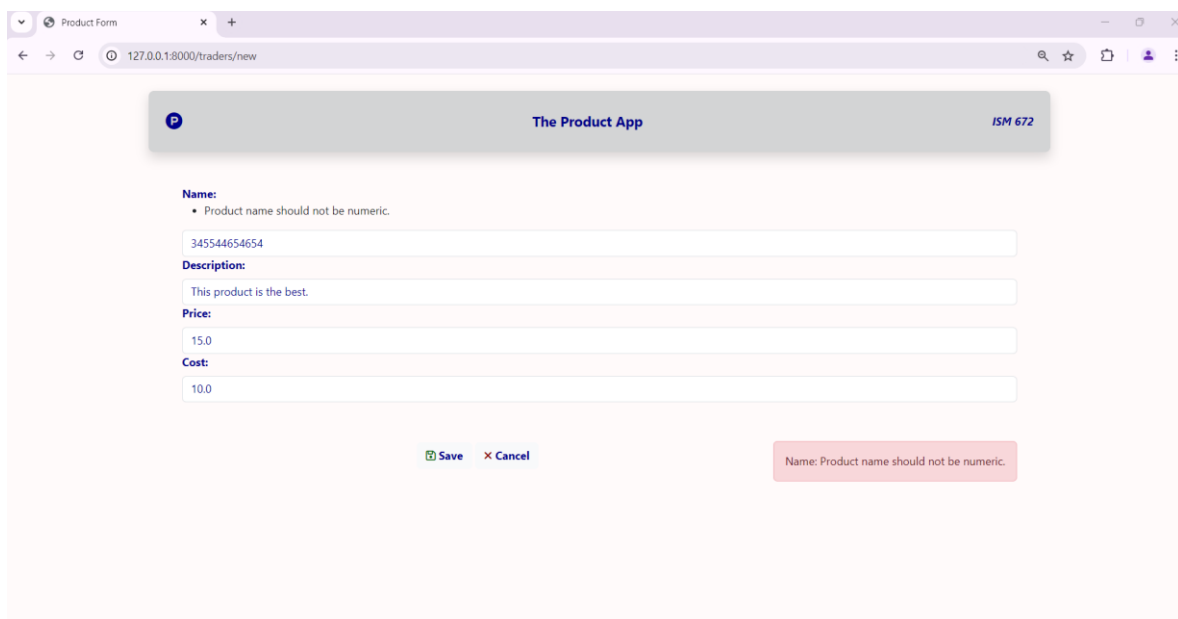
**Cost:**

Save Cancel

### Validations for Create Operation:

#### a. Validation for Name Field on Create View:

A validation error will be displayed if users enter only a numeric value in the name field.



Product Form

127.0.0.1:8000/traders/new

**The Product App** ISM 672

**Name:**

- Product name should not be numeric.

345544654654

**Description:**

This product is the best.

**Price:**

15.0

**Cost:**

10.0

Save Cancel

Name: Product name should not be numeric.

#### b. Validation for Description Field on Create View:

A validation error will be displayed if users enter fewer than 10 characters in the description field.

The screenshot shows a web browser window titled 'Product Form' with the URL '127.0.0.1:8000/traders/new'. The app header is 'The Product App' with 'ISM 672' on the right. The form contains the following fields:

- Name:** Professional-grade digital camera
- Description:** abc (with a validation error: 'Description must be at least 10 characters long.')
- Price:** 999.0
- Cost:** 550.0

At the bottom, there are 'Save' and 'Cancel' buttons. A red error message box at the bottom right states: 'Description: Description must be at least 10 characters long.'

c. Validation for Price Field on Create View:

A validation error will be displayed if users enter a negative value in the price field.

The screenshot shows the same web browser window. The form fields are now:

- Name:** Digital Camera ZR
- Description:** A compact speaker with powerful sound, perfect for outdoor activities and travel.
- Price:** -20.0 (with a validation error: 'Price must be a positive value.')
- Cost:** 10.0

The 'Save' and 'Cancel' buttons remain. A red error message box at the bottom right states: 'Price: Price must be a positive value.'

d. Validation for Cost Field on Create View:

A validation error will be displayed if users enter a higher value in the cost field and a lower value in the price field.

A validation error will be displayed if users enter a negative value in the cost field.

The Product App ISM 672

**Name:**  
Digital Camera ZR

**Description:**  
A compact speaker with powerful sound, perfect for outdoor activities and travel.

**Price:**  
10.0

**Cost:**  
• Cost must be less than the Price.  
20.0

Save Cancel

Cost: Cost must be less than the Price.

The Product App ISM 672

**Name:**  
Leather Wallet

**Description:**  
Slim wallet with RFID protection.

**Price:**  
30.99

**Cost:**  
• Cost must be a non-negative value.  
-40.00

Save Cancel

Cost: Cost must be a non-negative value.

#### IV. Update view of the Product:

The update view of the product contains all product fields that are already filled. If the user wants to modify or change any field such as name, description, price, and cost, they will update the product from here. Users can modify the product successfully by clicking on the “Save” button. By clicking on the “Cancel” button, will navigate to the list view of the product.

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/traders/7/update'. The page title is 'The Product App' and the user is 'ISM 672'. The form contains the following fields:

- Name:** Leather Wallet
- Description:** Slim wallet with RFID protection.
- Price:** 49.99
- Cost:** 20.00

At the bottom right, there are 'Save' and 'Cancel' buttons.

### Validations for Update Operation:

#### a. Validation for Name Field on Update View:

The screenshot shows the same 'The Product App' update view, but with a validation error. The 'Name' field now contains the numeric value '35462784758734534'. A red error message is displayed below the field: 'Name: Product name should not be numeric.' The 'Save' and 'Cancel' buttons are still present at the bottom.

#### b. Validation for Description Field on Update View:

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/traders/7/update'. The browser tab is labeled 'Product Form'. The application header is 'The Product App' with a 'P' icon and 'ISM 672' on the right. The form contains the following fields:

- Name:** Text input with value 'Leather Wallet'.
- Description:** Text input with value 'Test'. Below it, a validation message states: 'Description must be at least 10 characters long.'
- Price:** Text input with value '49.99'.
- Cost:** Text input with value '20.00'.

At the bottom, there are 'Save' and 'Cancel' buttons. A red error message box on the right says: 'Description: Description must be at least 10 characters long.'

c. Validation for Price Field on Update View:

The screenshot shows the same web browser window as before. The form fields are now:

- Name:** Text input with value 'Leather Wallet'.
- Description:** Text input with value 'Slim wallet with RFID protection.'
- Price:** Text input with value '-30.99'. Below it, a validation message states: 'Price must be a positive value.'
- Cost:** Text input with value '20.00'.

The 'Save' and 'Cancel' buttons remain at the bottom. A red error message box on the right says: 'Price: Price must be a positive value.'

d. Validation for Cost Field on Update View:

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/traders/7/update'. The page title is 'The Product App' with a sub-header 'ISM 672'. The form contains the following fields:

- Name:** Leather Wallet
- Description:** Slim wallet with RFID protection.
- Price:** 30.99
- Cost:** 40.00

Below the form, there are two buttons: 'Save' (green) and 'Cancel' (red). A red error message is displayed at the bottom right: 'Cost: Cost must be less than the Price.'

#### V. Delete view of the Product:

This is the Delete view of the Product. Users can delete a specific product from this page. This page shows details of the product which you want to delete. By clicking on the “Delete” button, the message popup will open. By clicking on ‘Cancel’, will navigate to the list view of the product.

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/traders/7/delete'. The page title is 'The Product App' with a sub-header 'ISM 672'. A modal popup titled 'Delete Product ?' is displayed, containing the following text:

Are you sure you want to delete the product named: Leather Wallet  
All of the following related items will be deleted:

**Summary :**  
Product ID : 7  
Product Name : Leather Wallet  
Product Description : Slim wallet with RFID protection.  
Product Price: 49.99  
Product Cost: 20.00

At the bottom right of the modal, there are two buttons: 'Delete' (red) and 'Cancel' (red).

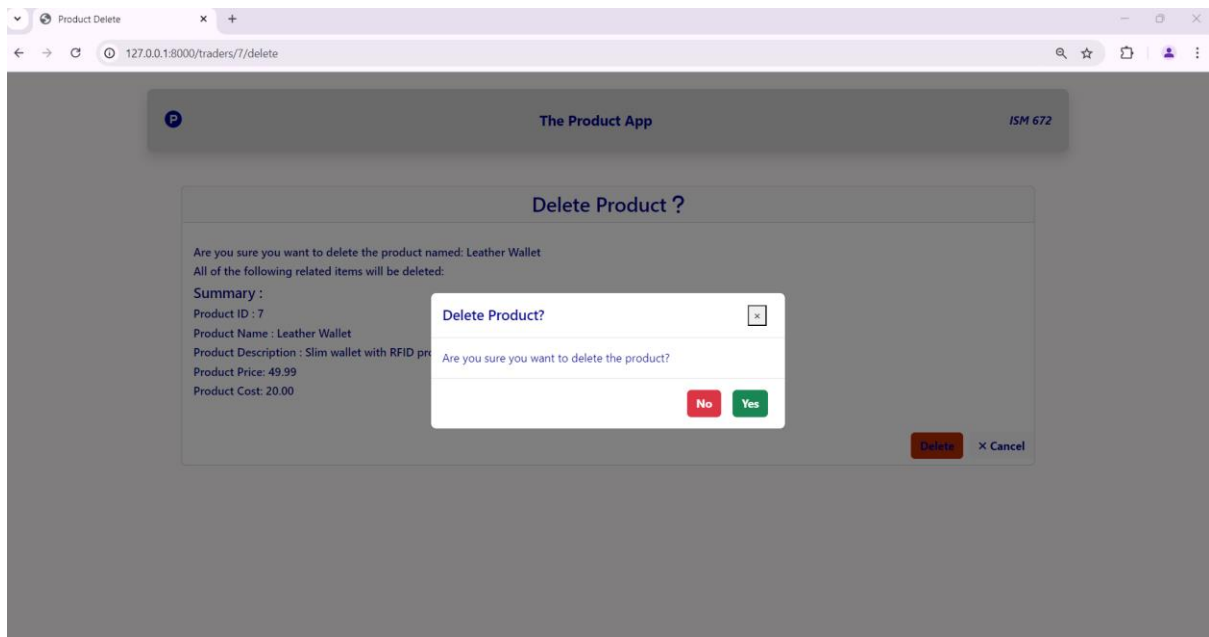
#### VI. Message popup for User: (Delete Product)

By clicking on the “Delete” button, the modal popup opens.

This is the modal popup for deleting the product. This is the last message before deleting any product. By clicking on the “No” button, the user stays on the same page. Users who click on “Yes” button then the product will be deleted and the user navigates to the list view of the



product, if we observe then the product we just deleted will not be in the list view of products anymore.



### Requirement III:

All the above screenshots show the UI-UX design for Product Traders. I used CSS, Bootstrap Form classes, Bootstrap Modal, Buttons, and Font Awesome icons.