



**TRƯỜNG ĐẠI HỌC FPT**

**GIFT ECOMMERCE WEBSITE**

**Software Requirement Specification**

– Ho Chi Minh City, May 2023 –

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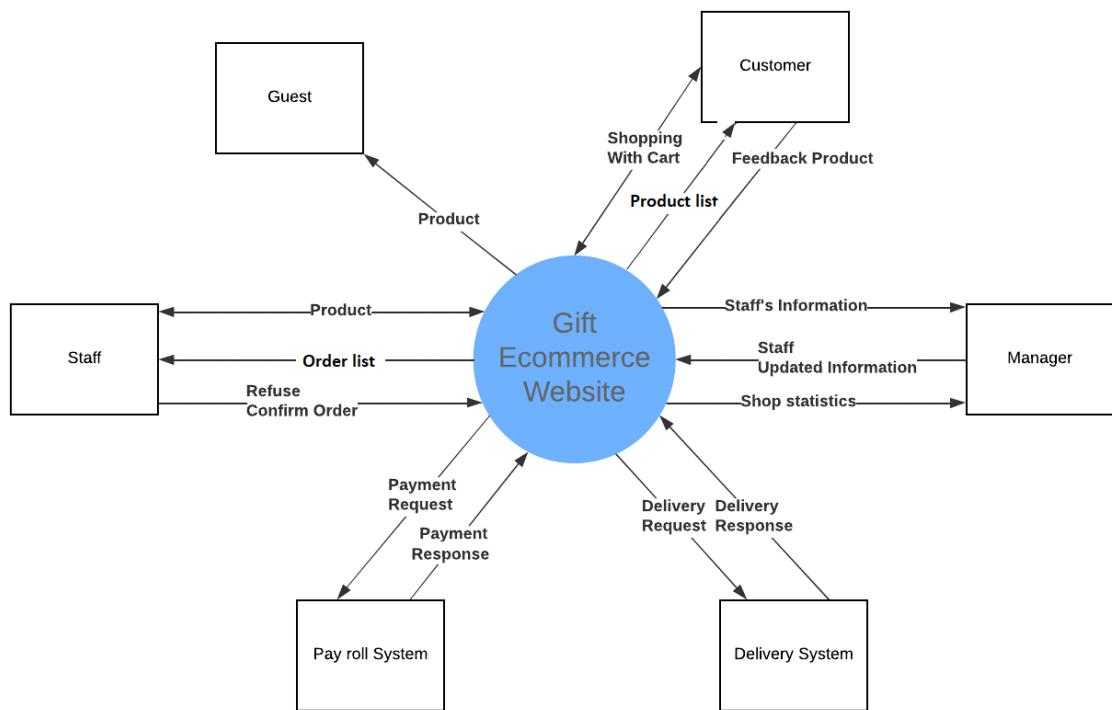
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## I. Overview

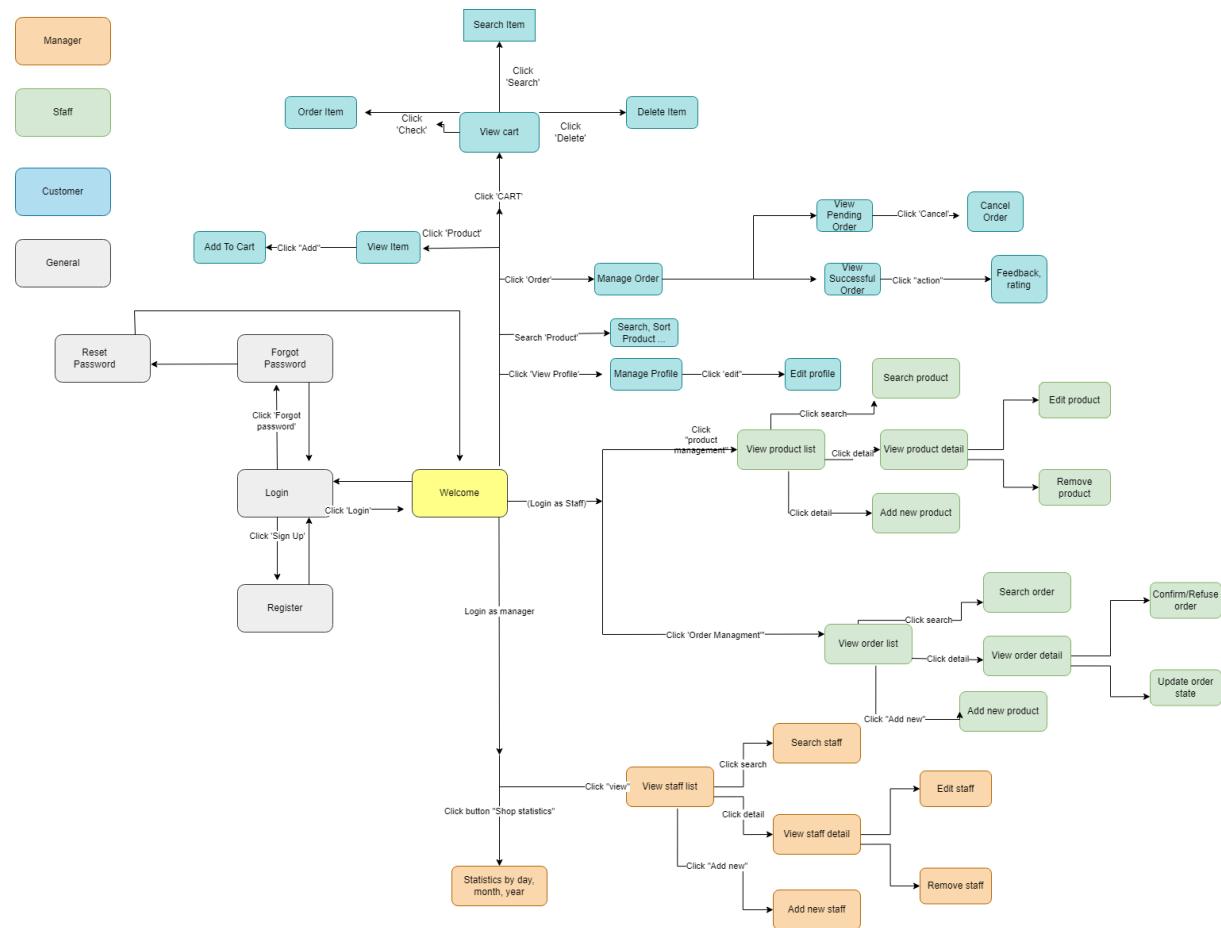
### 1. Introduction

The gift e-commerce website is an online platform where users can browse, purchase, and send gifts to their loved ones. Website with simple sales flow, convenient to shop and track orders.



## 2. System Functions

### a. Screen Flow



### b. Screen Details

#	Feature	Screen	Description
1	Home	Home	Default home screen, always accessible
2	Login	Login, Home	Users can login with a registered or google account, create a new account , reset password and log out.
3	Manage profile	Profile	Customers can change their information.
4	Search	Search	Guest, customer can search for products on the website, filter products by name or by price.
5	Payment	Payment	Customers can choose payments for shopping carts.
6	Manage Cart	List cart	Customers can add, edit, delete products and view what they choose on the website.
7	Manage Product	List product	Staff can create, update, and delete products on the website. and view product's feedback from customers.

8	Manage Order for Customers	List order	Customers can handle their order for some actions.		
9	Manage Order for staff	List order	Staff can handle the order of customers.		
10	Manage Staff	List staff	Manager can create, update,view and delete staff information.		

**c. User Authorization**

Screen	Guest	Customer	Staff	Manager
Home	X	X	X	X
Authentication	X	X	X	X
Log in	X			
Register	X			
Log out		X	X	X
Manage account profile		X		
View profile		X		
Edit information		X		X
View products in shop	X	X		
View product(by sorting by price/sold)	X	X		
Search product	X	X	X	
View product by category	X	X	X	
View product details	X	X	X	
Manage product				X
View products				X
Create Product				X
Edit product				X
Delete product				
Search product by ...				
Manage cart		X		
View product in cart		X		
Add product to cart		X		
Edit quantity of product in cart		X		
Delete product from cart		X		
Customer Manage order		X		
Checkout		X		
View orders placed		X		
View detail of each order		X		
Cancel for pending orders		X		

Rating/Feedback for successful orders		X		
<b>Manage staff</b>				X
View staff list				X
View detail staff profile				X
Edit staff profile				X
Add new staff				X
Delete staff				X
<b>Staff Manage order</b>			X	
View orders placed by customers			X	
View detail of each order			X	
Refuse/Confirm orders			X	
Order State Management			X	
<b>Statistics</b>				X
View statistics by revenue				X
View statistics by order				X
View statistics by product				X
View statistics by user				X

#### ***d. Non-Screen Functions***

#	Feature	System Function	Description
1	Authentication	Forgot password	System send verification code by email of user for reset password.
2	Authentication And Authorization	Authentication And Authorization	Using authorization and authentication for APIs.

### **3. Common Requirements**

As a guest, I want to be able to view the product list in the shop, so that I can browse through the available products.

As a guest, I want the option to login or register a new account, so that I can have a personalised experience and access additional features.

As a customer, I want to be able to view the product list and add items to my shopping cart, so that I can easily select the products I want to purchase.

As a customer, I want to be able to place orders and manage them, so that I can keep track of my purchases and review the status of each order.

As a customer, I want the ability to cancel any pending order, in case I change my mind or encounter any issues.

As a customer, I want to provide feedback or rate each product after a successful order, so that I can share my opinion and help other customers make informed decisions.

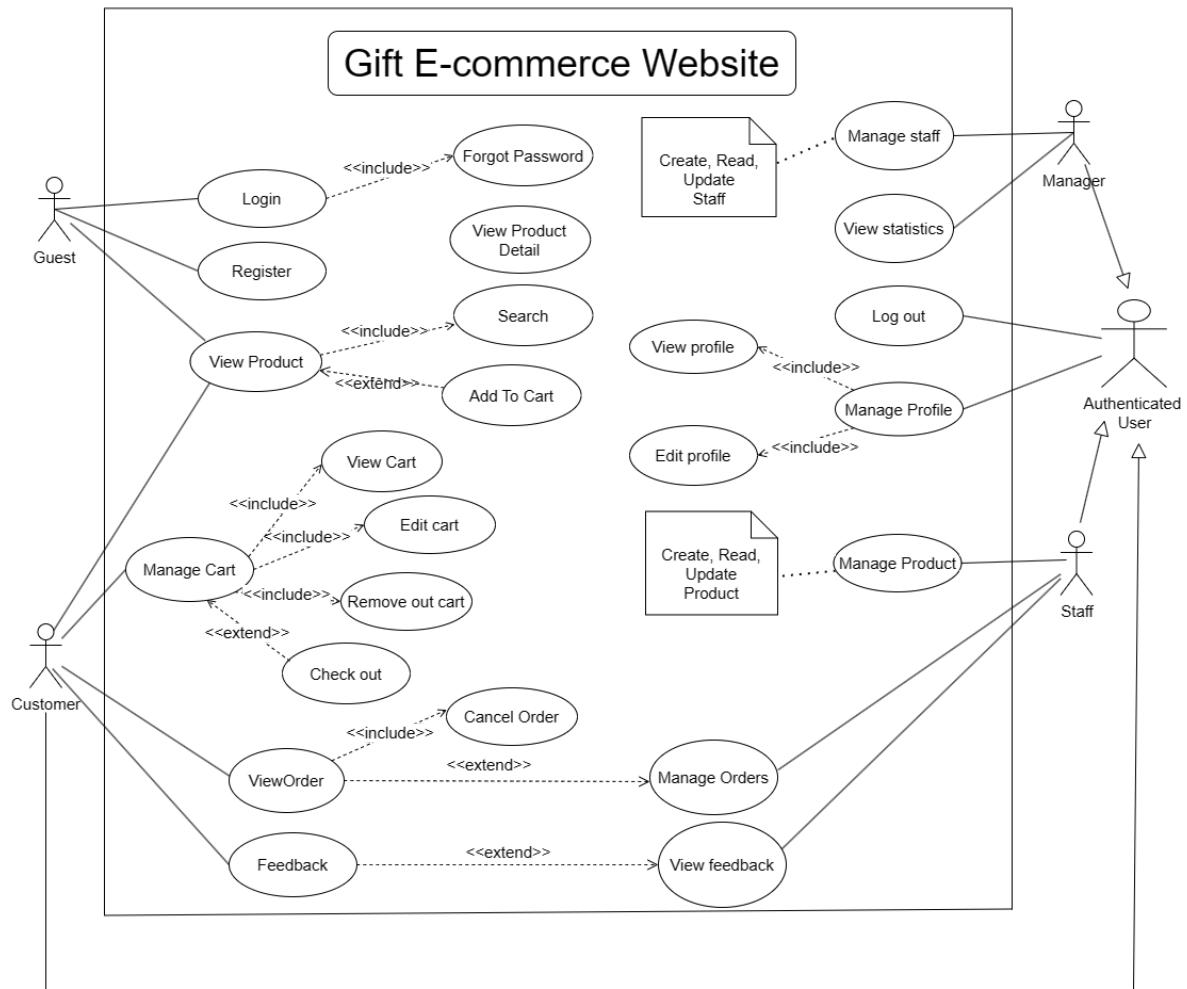
As a staff member, I want to be able to manage products in the shop by viewing, adding, editing, and deleting them, so that I can ensure the product catalogue is up-to-date.

As a staff member, I want to manage orders from customers by confirming or refusing each received order, so that I can maintain a smooth order fulfilment process.

As a manager, I want to be able to manage staff information, including viewing, adding, editing, and removing staff members, so that I can ensure the team is properly organised.

As a manager, I want to view statistics about products, orders, revenue, and other relevant metrics by day, month, or year, so that I can gain insights into the shop's performance and make informed business decisions.

## II. Functional Requirements

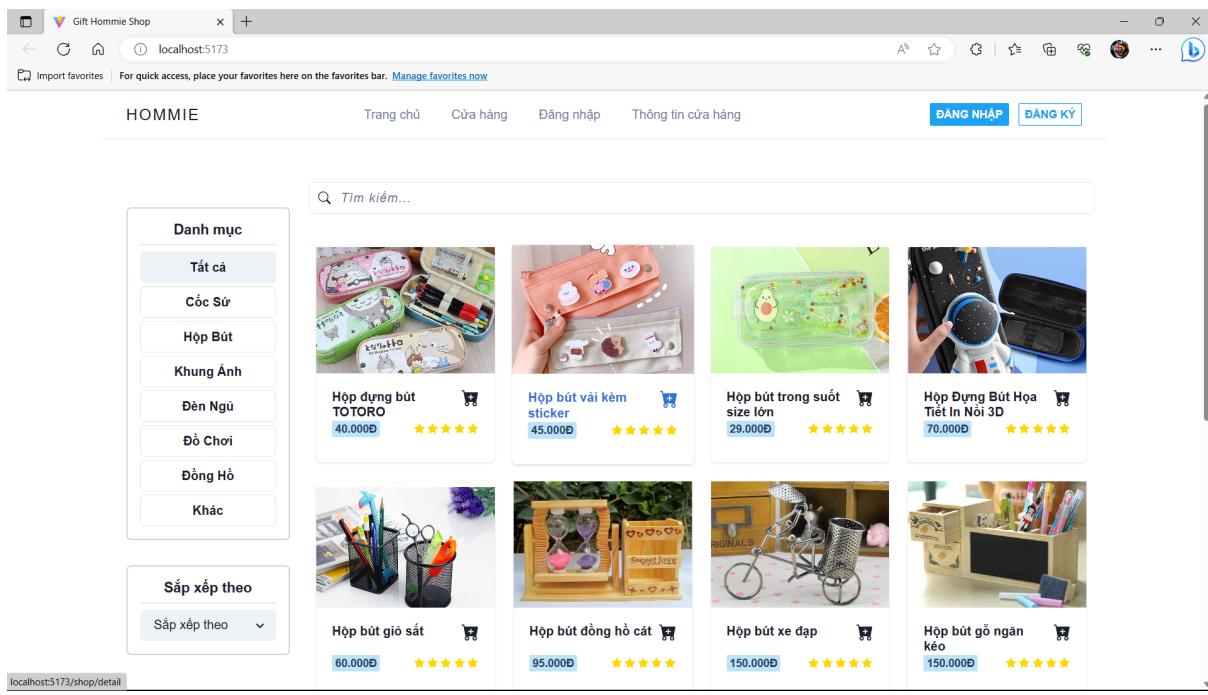


### 1. <<Home>>

**Function trigger:** User want to view the homepage of website

**Function description:** The Home function serves as the primary interface for users when they launch and access the website. It provides an overview of key features, content, and navigation options, allowing users to easily navigate and access relevant information.

**Screen layout:**



**Function Details:** Authentication user and guest can use this function.

## 2. <<Authentication>>

### a. <<Login>>

**Function trigger:** User wants to login for some actions.

**Function description:** The login function is a crucial component of an authentication system that allows users to access a computer system, application, or website by verifying their credentials. It typically involves validating the user's identity and granting appropriate access rights.

**Screen layout:**

**HOMMIE STORE**

**Đăng nhập**

Tên đăng nhập

Mật khẩu

**Đăng nhập**

Bạn chưa đăng kí tài khoản? [Đăng kí](#)

[Quay về trang chủ](#)

**Function Details:** User, Staff, Manager must log in.

**b. <<Sign up>>**

**Function trigger:** Guest wants to sign up to buy products.

**Function description:** Enables users to create a new account on the platform. It allows individuals to register themselves as customers, providing them with access to various features and benefits offered by the online store. The function collects necessary information from users and creates a unique account associated with their credentials.

**Screen layout:**

The screenshot shows a web browser window for 'Gift Hommie Shop' at 'localhost:5173/register'. The page title is 'HOMMIE STORE'. At the top, there are navigation links: 'Trang chủ', 'Cửa hàng', 'Đăng nhập', 'Thông tin cửa hàng', 'ĐĂNG NHẬP' (blue button), and 'ĐĂNG KÝ' (blue button). Below the navigation, the main content area has a heading 'Đăng ký'. It contains five input fields with labels: 'Tên \*', 'Tên đăng nhập \*', 'Mật khẩu \*', 'Xác nhận lại mật khẩu \*', and 'Số điện thoại'. Below these fields is a note '(\*) : thông tin cần phải có để hoàn thành đăng ký'. A large green 'Đăng ký' button is centered below the fields. At the bottom left, there is a link 'Already have an account? Login'.

**Function Details:** Guests must sign up to buy products.

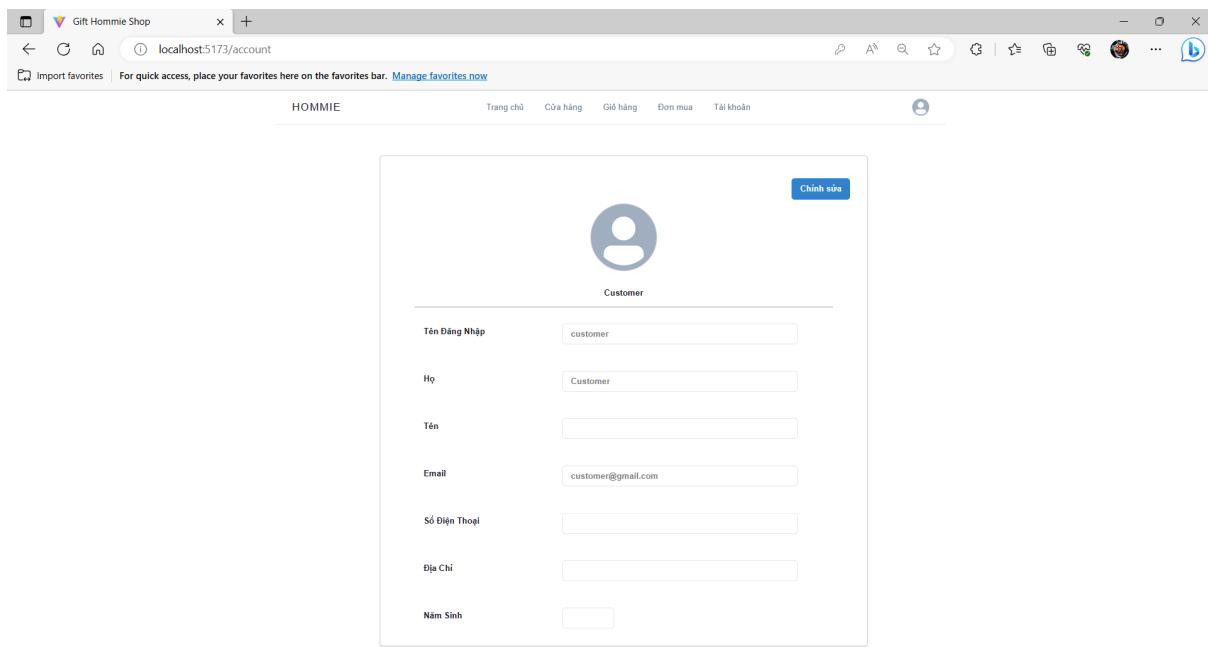
### 3. <<Manage Profile>>

#### a. <<View Profile>>

**Function trigger:** Authentication users can view their profile to do some action such as edit, etc.

**Function description:** The View Profile function allows users to access and view their personal profile information within the website. It provides users with an overview of their account details, preferences, and any other relevant information associated with their profile.

**Screen layout:**



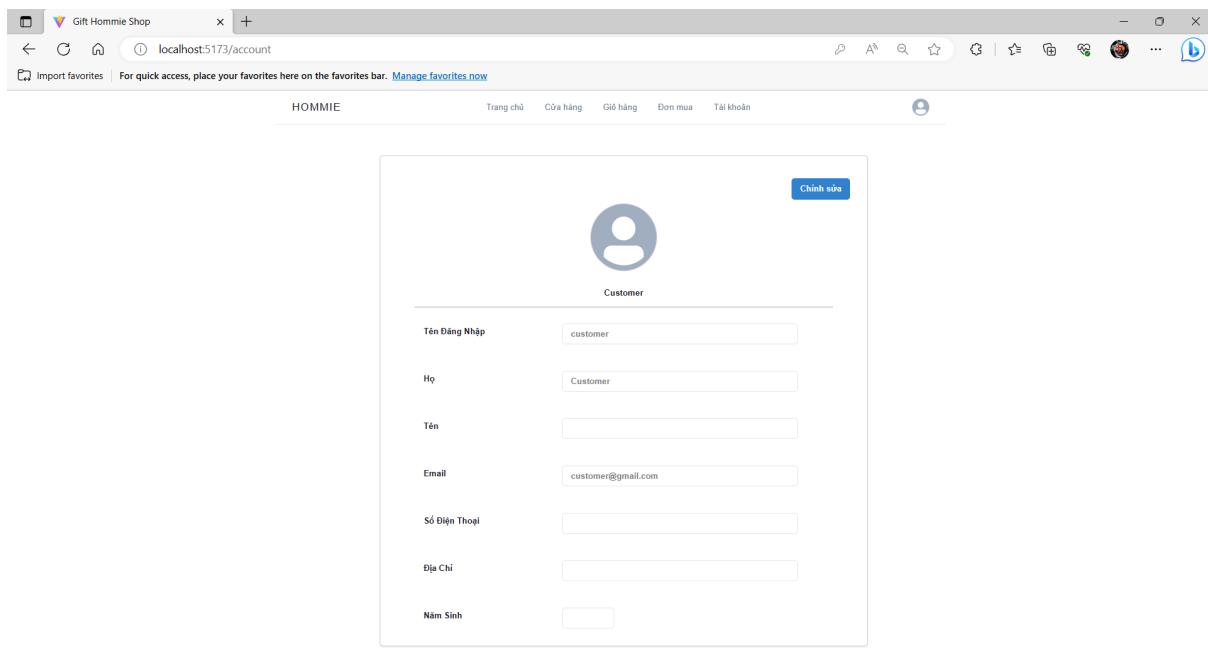
**Function Details:** Authentication users can use this function.

### b. <<Edit Profile>>

**Function trigger:** Authentication users (Except Manager) can edit their profile information.

**Function description:** The Edit Profile function allows users to modify and update their personal profile information within the software application or website. It provides users with the ability to change their account details, preferences, and any other relevant information associated with their profile.

### **Screen layout:**



**Function Details:** Authentication users (Except Manager) can edit their profile. They have no ability to edit their username. The password will be shown with password characters and it can be allowed to change.

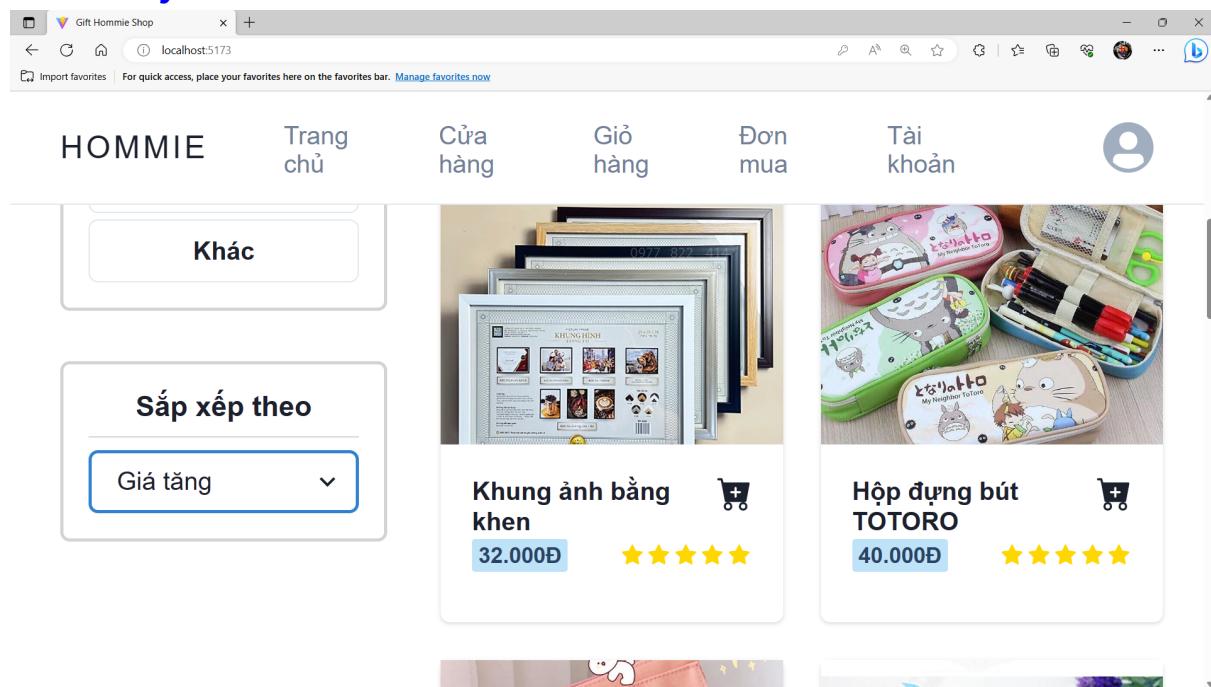
#### 4. <<Search>>

##### a. <<View sorted product>>

**Function trigger:** User can view a sorted product list to do some action

**Function description:** The "View Sorted Products" function allows users to view a list of products available in the website, sorted according to specific criteria or user preferences.

### Screen layout:



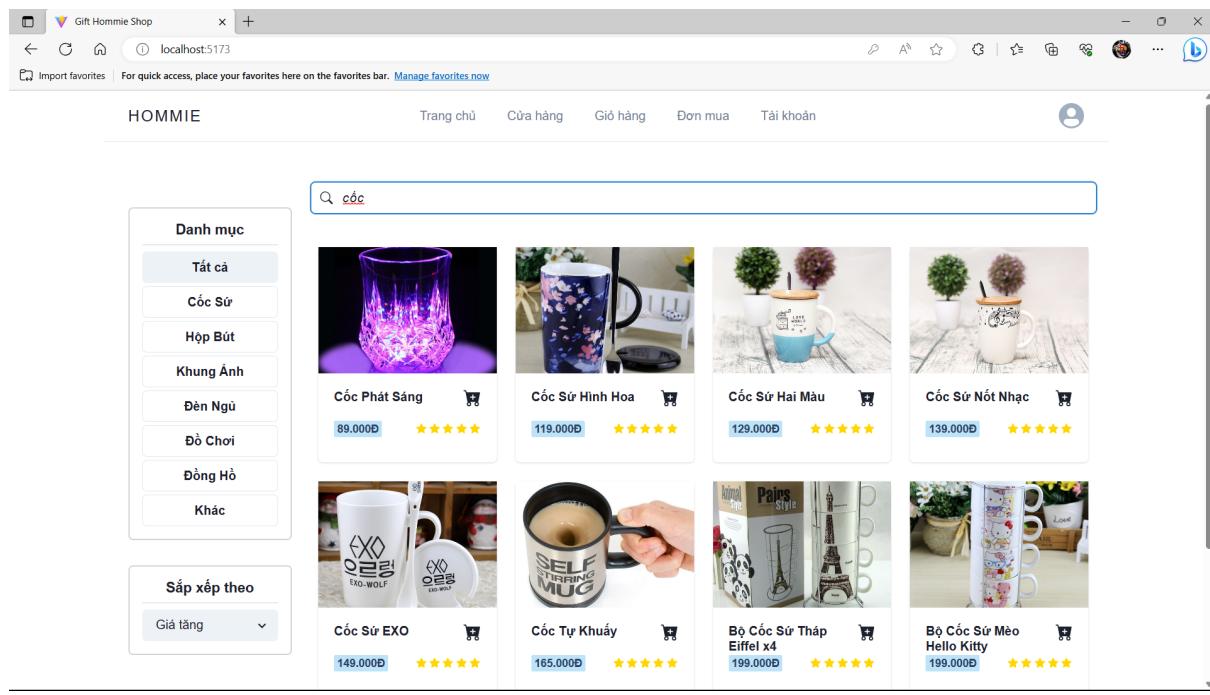
**Function Details:** View the list of sorted products. The users can choose the property to sort the product list.

### b. <<Search product>>

**Function trigger:** The users can search the product list to do some action

**Function description:** The "Search Product" function allows users to search for specific products within the website. This function provides users with the ability to enter keywords or specific criteria and retrieve relevant products that match their search query.

### Screen layout:



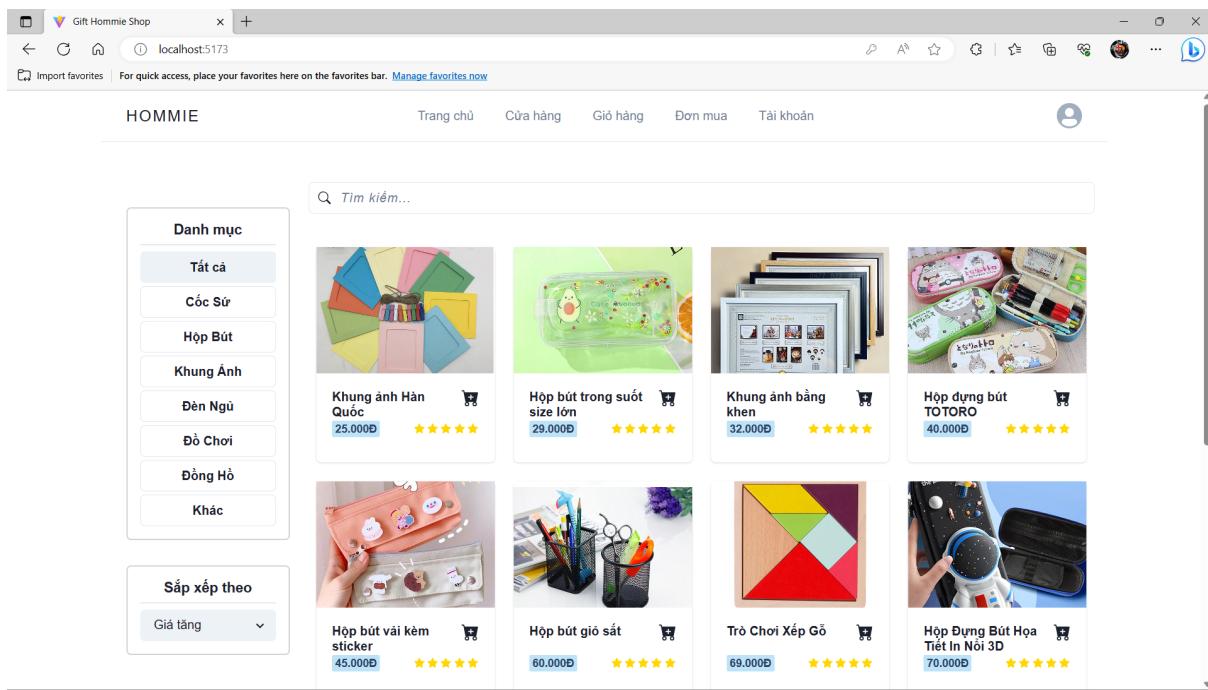
**Function Details:** Search the product list by product name. The product list will show if the search item contains in each product.

### c. <<Filter product>>

**Function trigger:** The user can filter the products with product categories to do some action.

**Function description:** The "Filter Product" function allows users to refine and narrow down their product search results within the website. This function provides users with the ability to apply specific filters or criteria to find products that meet their specific requirements.

### Screen layout:



**Function Details:** Filter the products by their category. The product list will show by their category.

#### d. <<View product detail>>

**Function trigger:** User can view the product details like price, description, etc.

**Function description:** The "View Product Detail" function allows users to access detailed information about a specific product within the website. User can view feedback of product

**Hộp bút vải kèm sticker** YÊU THÍCH

★★★★★ | 0 đã bán | Bán chạy

Giá: 45.000đ

1999 sản phẩm có sẵn sản phẩm có sẵn

Vận chuyển: Grab

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**Mô tả sản phẩm**  
Được làm từ vải cứng giặt nhanh khô và có lót 1 lớp vải giúp giảm thiểu tình trạng ướt vật dụng. Dây kéo zipper được làm kỹ lưỡng tránh đứt đoạn hoặc hư hỏng làm rơi rớt bút viết của các bạn học sinh. Ngoài việc dùng làm hộp đựng bút viết và dụng cụ học tập, nó còn có thể làm một chiếc ví đựng các vật dụng như son môi hoặc dụng tiễn hoặc các vật dụng cá nhân tiện lợi.

**DÁNH GIÁ SẢN PHẨM**

**Sản phẩm tương tự**

Hộp đựng bút họa tiết 70.000đ ★★★★★	Hộp bút gỗ ngăn kéo 150.000đ ★★★★★	Chiến binh giữ bút 369.000đ ★★★★★	Hộp bút xe đạp 150.000đ ★★★★★
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**Screen layout:**

**Function Details:** Filter the products by their category. The product list will show by their category. Also show similar products.

## 5. <<Product Management>>

### a. <<Create Product>>

**Function trigger:** Staff wants to add a new product for business

**Function description:** Staff can add new product and save new product in database

#### Screen layout:

The screenshot shows a web-based application for managing products. At the top, there is a navigation bar with links to 'Trang chủ', 'Quản lý sản phẩm', and 'Quản lý đơn hàng'. On the far right, there is a user profile icon. Below the navigation, a green button labeled '<< Danh sách sản phẩm' is visible. The main content area displays a product detail page for a pencil case. The product name is 'Hộp đựng bút TOTORO' with a 'VIEW' link. To the right of the name are two buttons: 'Chỉnh sửa' (Edit) and 'Xóa' (Delete). The product details are listed in fields: 'Tên sản phẩm' (Name) contains 'Hộp đựng bút TOTORO'; 'Danh mục sản phẩm' (Category) has a dropdown menu showing 'Hộp Bút'; 'Giá' (Price) is '40000'; 'Số lượng' (Quantity) is '99'. Below these fields is a 'Mô tả sản phẩm' (Product Description) box containing the text: 'Hộp đựng bút TOTORO siêu dễ thương - Hộp đựng đồ dùng học tập nhiều ngăn tiện dụng Kích thước : 23.5cm x 10.5cm x 4.5cm Trọng lượng: 80g.' To the right of the description box, there is a grid of three images showing different views of the 'Hộp đựng bút TOTORO' pencil case.

**Function Details:** Role Staff can add new products via `@RequestBody ProductRequestDTO`. Information that Staff can add new product such as product name, price, quantity, product category and product description.

Status of new product in database default is 0

`@PostMapping` used to bring data from the frontend into the DTO for processing.

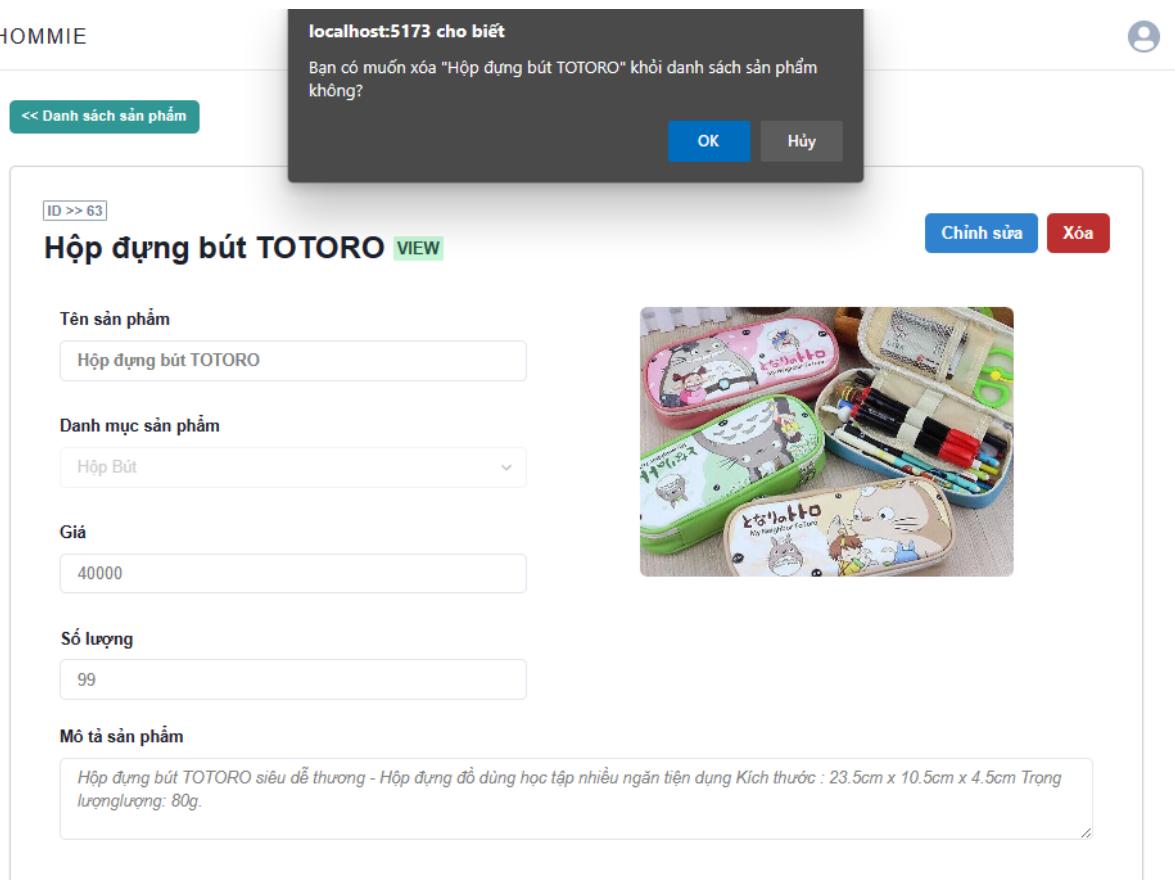
createNewProductFrom will get data parameter in ProductRequestDTO productRequestDTO. This function will set data base on new value.

### b. <<Delete Product >>

**Function trigger:** Staff wants to delete a product to stop trading or due to the expiration of its usage date **/staff/product/{productId}**

**Function description:** Staff can delete a exist product base on ID. Product ID will be remove in database

#### Screen layout:



**Function Details:** When the Staff clicks the delete button, the DeleteProductByID function will be activated, the function will process to find the product based on the provided ID, if the product is found based on the ID, the product will be deleted in the database.

### c. <<Edit Product >>

**Function trigger:** Staff wants to change product information, update new product information [/staff/product/{productId}](#)

**Function description:** Staff can update info an exsit product base on ID. Product ID will be update in database

### Screen layout:

The screenshot shows a product edit form for a 'Hộp đựng bút TOTORO'. The form includes fields for Product Name (Tên sản phẩm), Category (Danh mục sản phẩm), Price (Giá), Quantity (Số lượng), and Description (Mô tả sản phẩm). There is also a preview image of the product and a file upload button.

Field	Value
Tên sản phẩm	Hộp đựng bút TOTORO
Danh mục sản phẩm	Hộp Bút
Giá	40000
Số lượng	99
Mô tả sản phẩm	Hộp đựng bút TOTORO siêu dễ thương - Hộp đựng đồ dùng học tập nhiều ngăn tiện dụng Kích thước : 23.5cm x 10.5cm x 4.5cm Trọng lượng: 80g.

**Function Details:** When the Staff clicks the edit button, the `UpdateProduct` function will be activated, the function will process to find the product based on the provided ID, if the product is found based on the ID the staff can edit intro of product. `@RequestBody ProductRequestDTO` will get new info.

### d. <>Upload Product Image >

**Function trigger:** Staff wants to change the image information of the product, update the new product image [/staff/product/{productId}](#)

**Function description:** Staff can update info an exsit product base on ID. Product ID will be update in database

---

Cập nhật

Hủy



Tải ảnh lên

**Function Details:** When the Staff clicks the edit button, the UpdateProduct function will be activated, the function will process to find the product based on the provided ID. Staff can change the image url of the product image.

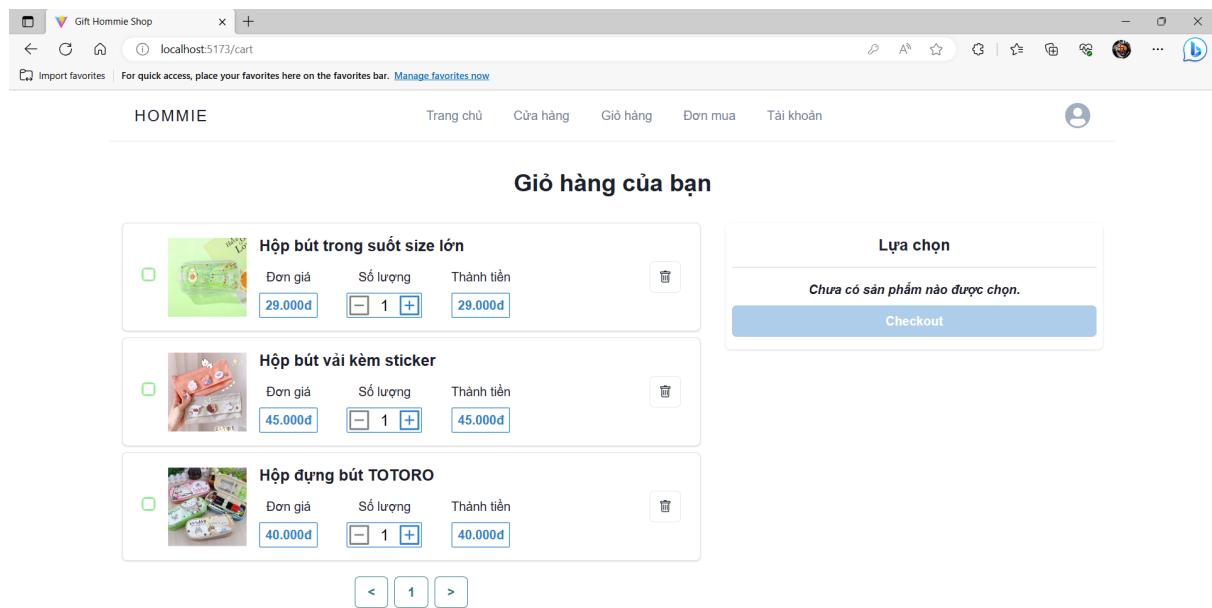
## 6. <<Manage Cart>>

### a. <<Add To Cart>>

**Function trigger:** This function is usually triggered by a user clicking on an "Add to Cart" button or icon on a product page.

**Function description:** Function is responsible for adding products to the user's shopping cart. The function retrieves the necessary information about the selected product and adds it to the user's shopping cart object

## Screen layout:



## Function Details:

Listen for a click event on the "Add to Cart" button or icon associated with the desired product.

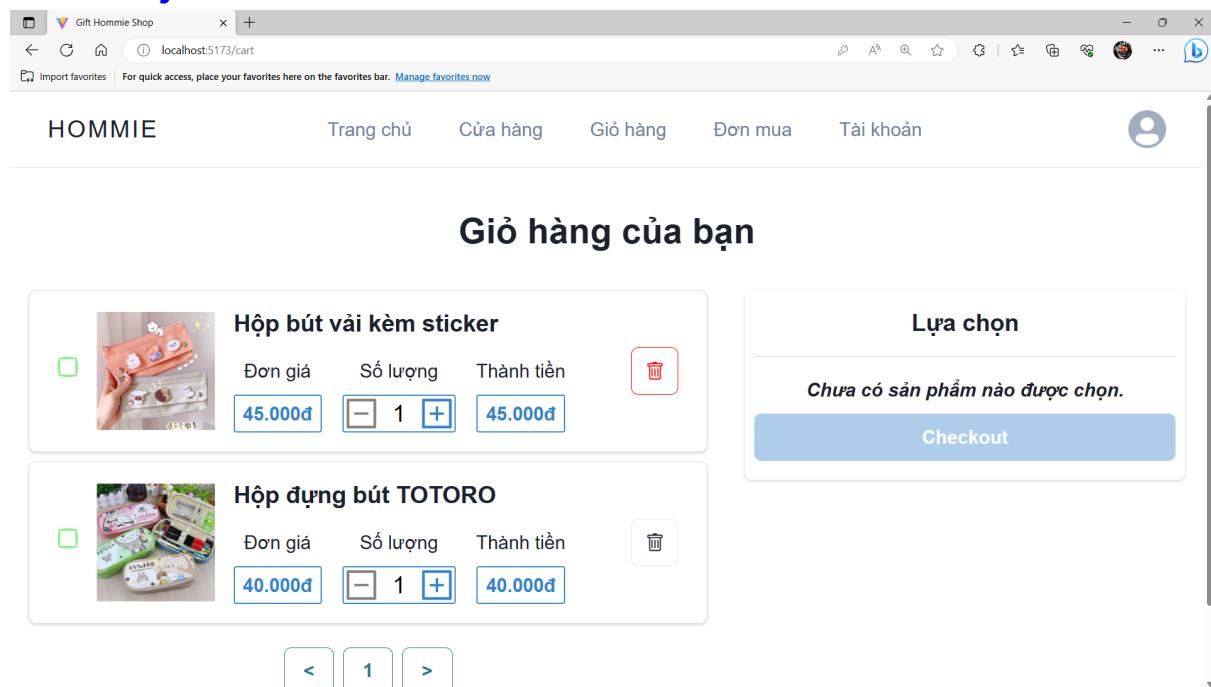
Create a new item object representing the selected product, including properties such as the product's ID, name, price, quantity. Using `@GetMapping` and send data by `@RequestParam`

### b. <<Delete Product From Cart>>

**Function trigger:** When a user delete product in their shopping cart.

**Function description:** "Delete Product From Cart" refers to the action of removing a specific item from a user's online shopping cart. This action is typically taken when the user no longer wants to purchase the product or has decided to remove it from their order for any other reason.

## Screen layout:



## Function Details:

Once the user clicks on the icon/button, they are taken to a dedicated shopping cart page that displays all the products currently in their cart.

The user can review the items in their cart, including product names, descriptions, images, prices, and quantities with api **@PostMapping**,

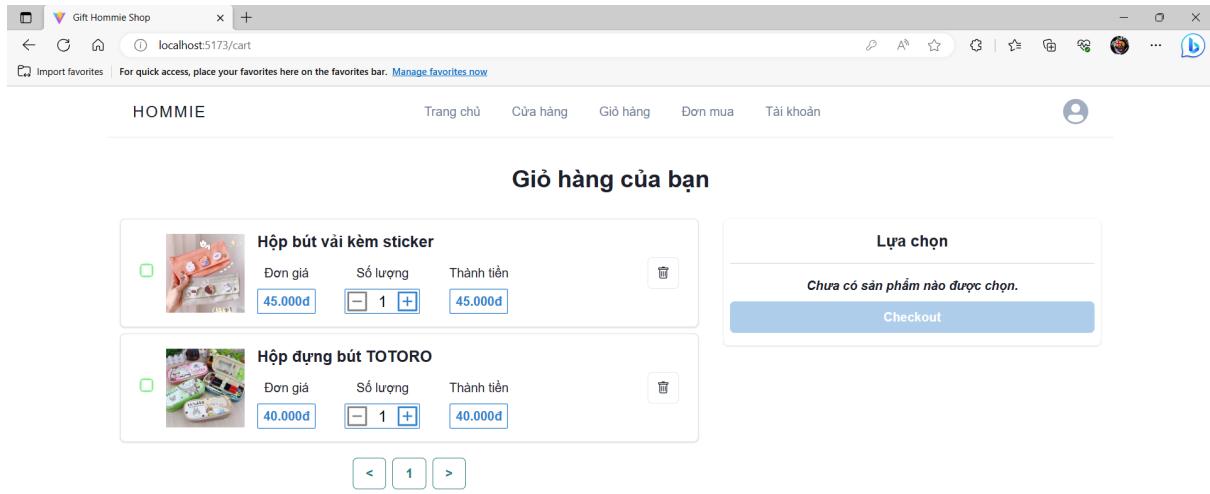
Send data by **@RequestBody CartRequestDTO**.

### c. <<View Product in Cart>>

**Function trigger:** User wants to see the products already in the cart

**Function description:** The "View Product in Cart" function is a feature that allows users to see the products they have added to their online shopping cart. This function is important as it helps users keep track of their orders and make any necessary changes before proceeding to checkout.

## **Screen layout:**



## **Function Details:**

To use this function, the user typically clicks on a "delete" or "remove" button next to the product they wish to delete from their cart with `@DeleteMapping("/{cartId}")`.

If the deleted product was the last item in the user's cart, the system may close the cart automatically or redirect the user to a message indicating that the cart is now empty.

### **d. <<Edit Quantity of Product in Cart>>**

**Function trigger:** User wants to change quantity of the products already in the cart

**Function description:** The "Edit Quantity of Product in Cart" function that allows users to adjust the number of products they have added to their online shopping cart. This function is important as it helps users manage their orders and ensure that they purchase the correct amount of each product.

## **Screen layout:**

<input type="checkbox"/>		<b>Hộp đựng bút TOTORO</b>	Đơn giá 40.000đ	Số lượng <input type="button" value="-"/> 2 <input type="button" value="+"/>	Thành tiền 80.000đ	<input type="button" value="Delete"/>
<input type="checkbox"/>		<b>Cốc Sứ Hai Màu</b>	Đơn giá 129.000đ	Số lượng <input type="button" value="-"/> 2 <input type="button" value="+"/>	Thành tiền 258.000đ	<input type="button" value="Delete"/>
<input type="checkbox"/>		<b>Hộp bút vải kèm sticker</b>	Đơn giá 45.000đ	Số lượng <input type="button" value="-"/> 1 <input type="button" value="+"/>	Thành tiền 45.000đ	<input type="button" value="Delete"/>

>

#### **Function Details:**

To use this function, the user typically navigates to their shopping cart page or clicks on an icon/button that represents their cart.

If the user wants to change the quantity of a specific product in their cart, they can typically click on a "+" or "-" button next to the item to increase or decrease the quantity, respectively.

#### **7. <<Order Management (Customer)>>**

##### **a. <<Select products to prepare order>>**

**Function trigger:** Customer want to select the list of products with quantity to prepare to buy

**Function description:** The function will help customers select the list of products with quantity to buy to prepare to buy.

#### **Screen layout:**

## Giỏ hàng của bạn

**Hộp bút gỗ ngăn kéo**

Đơn giá	Số lượng	Thành tiền
150.000đ	<input type="button" value="-"/> 1 <input type="button" value="+"/>	150.000đ

**Khung ảnh bằng khen**

Đơn giá	Số lượng	Thành tiền
32.000đ	<input type="button" value="-"/> 1 <input type="button" value="+"/>	32.000đ

**Khung ảnh Hàn Quốc**

Đơn giá	Số lượng	Thành tiền
25.000đ	<input type="button" value="-"/> 1 <input type="button" value="+"/>	25.000đ

**Chiến binh giữ bút**

Đơn giá	Số lượng	Thành tiền
389.000đ	<input type="button" value="-"/> 1 <input type="button" value="+"/>	389.000đ

<
1
>

**Lựa chọn**

SẢN PHẨM	THÀNH TIỀN
Hộp bút gỗ ngăn kéo Giá 150.000đ Lượng - 1 +	150.000đ
Khung ảnh bằng khen Giá 32.000đ Lượng - 1 +	32.000đ
<b>Tổng:</b> 182.000đ	

Checkout

### Function Details:

- The list of product with quantity will be stored to prepare to buy
- Select the products to prepare order in shopping cart

### b. <<Complete order information to order>>

**Function trigger:** Customer want to edit the information of order before buy it

**Function description:** The "Complete Order Information to Order" functionality enables customers to edit quantity to successfully place an order.

## Screen layout:

The screenshot shows a web browser window for 'Gift Hommie Shop' at 'localhost:5173/checkout'. The page title is 'Thông tin nhận hàng' (Delivery Information). It contains fields for 'Tên người nhận (\*)' (Recipient name), 'Số điện thoại (\*)' (Phone number), 'Địa chỉ nhận hàng (\*)' (Delivery address), which includes dropdowns for 'Tỉnh/thành phố', 'Quận/huyện', and 'Phường/xã', and a text area for 'Địa chỉ cụ thể...'; and 'Lời chúc, nhắn gửi' (Greeting message) with placeholder text 'Gửi một lời chúc thân thương đến người thân yêu của bạn...'. To the right, there are sections for 'Hình thức thanh toán' (Payment method) with radio buttons for 'Thanh toán khi nhận hàng' (Pay on delivery) and 'Thanh toán qua Paypal' (Paypal payment); 'Hình thức vận chuyển' (Shipping method) with radio buttons for 'Giao hàng tiêu chuẩn (nhanh)' (Standard delivery (fast)) and 'Giao hàng tốc hành (express)' (Express delivery); and a summary table with columns 'Tổng tiền hàng' (Total amount), 'Phí vận chuyển' (Shipping fee), and 'Thành tiền' (Total amount) showing values of 175.000đ, 0.000đ, and 175.000đ respectively. A large blue 'Đặt hàng' (Place order) button is at the bottom.

**Function Details:** Customer can get the fast order with quantity. Order can edit the quantity in the shopping cart. Quantity of product cannot be more than available quantity of the product

### c. <<View Order Placed>>

**Function trigger:** Customer wants to view the list of orders to do some actions.

**Function description:** The "View Order Placed" functionality allows customers to access and review the basic information of an order that was ordered. This feature provides a convenient way for customers to manage the order

## Screen layout:

The screenshot shows the HOMMIE app's order history screen for a customer. At the top, there is a navigation bar with links for Home, Shop, Cart, Purchase, and Account. A customer profile icon is also present.

**Section 1: Pending Orders**

**Tổng đơn hàng:** 182.000đ

**Ngày tạo đơn:** 14:36 26/06/2023

**Cập nhật:** 14:36 26/06/2023

**PENDING | CHỜ XÁC NHẬN**

Sản phẩm	Đơn giá	Số lượng	Thành tiền
Hộp bút gỗ ngăn kéo	150.000đ	1	150.000đ
Khung ảnh bằng khen	32.000đ	1	32.000đ

**Tổng đơn hàng:** 182.000đ

\*Đã bao gồm phí ship (nếu có)

**Buttons:** Chi tiết, Chờ, Hủy

**Section 2: Delivery Orders**

**Tổng đơn hàng:** 74.000đ

**Ngày tạo đơn:** 09:59 25/06/2023

**DELIVERING | ĐANG GIAO**

**Cập nhật:** 09:59 25/06/2023

Sản phẩm	Đơn giá	Số lượng	Thành tiền
Hộp bút vải kèm sticker	45.000đ	1	45.000đ
Hộp bút trong suốt size lớn	29.000đ	1	29.000đ

**Tổng đơn hàng:** 74.000đ

\*Đã bao gồm phí ship (nếu có)

**Buttons:** Chi tiết, Chờ

**Pagination:** < 1 >

**Function Details:** View all the order list that customer ordered with pageable page

### d. <<View The Details of Order>>

**Function trigger:** Customer wants to view the details' information of order

**Function description:** The "View Order Details" functionality allows users to access and review the specific details of a previously placed order. This feature provides users with a convenient way to retrieve important information about their orders.

## Screen layout:

The screenshot shows the HOMMIE e-commerce platform's Order Details page. At the top, there is a navigation bar with links to Trang chủ (Home), Cửa hàng (Store), Giỏ hàng (Cart), Đơn mua (Purchase), and Tài khoản (Account). A customer profile icon is also present.

The main content area is titled "CHI TIẾT ĐƠN HÀNG | ID > 54". It shows the creation date as "Ngày tạo đơn: 14:36 26/06/2023". The order status is listed as "Trạng thái đơn hàng: PENDING | Chờ xác nhận" with a note "Ngày cập nhật: 14:36 26/06/2023".

Customer information includes: Người nhận: Tran CuongQuyet, Điện thoại: 0356970686, Địa chỉ: 266/13/11, Phường 3, Quận 5, TP. Hồ Chí Minh.

Order Summary (Tổng tiền hàng):

Tổng tiền hàng	182.000đ
Phí vận chuyển	0.000đ
Tổng thanh toán	182.000đ
Thanh toán khi nhận hàng	182.000đ

Payment Method (Hình thức thanh toán):

Hình thức thanh toán	Thanh toán khi nhận hàng (COD)
Hình thức vận chuyển	Giao hàng tiêu chuẩn (nhanh)

Delivery Info (Địa chỉ giao hàng):

Dự kiến giao hàng: 28/06/2023

Product Details (Thông tin sản phẩm):

Sản phẩm	Đơn giá	Số lượng	Thành tiền
Hộp bút gỗ ngăn kéo	150.000đ	1	150.000đ
Khung ảnh bằng khen	32.000đ	1	32.000đ

**Function Details:** View all the detailed information of order. The order was identified by order id, if the order doesn't exist, system show "ORDER DOESN'T EXIST".

### e. <<Cancel the Pending Order>>

**Function trigger:** Customer wants to cancel a pending order

**Function description:** The "Cancel Pending Order" functionality allows users to request the cancellation of an order that is in a pending state, typically before it has been processed or shipped.

## Screen layout:

CHI TIẾT ĐƠN HÀNG | ID >> 54

Trang chủ Cửa hàng Giỏ hàng Đơn mua Tài khoản

Customer

Ngày tạo đơn: 14:36 26/06/2023

Trạng thái đơn hàng: PENDING | Chờ xác nhận

Ngày cập nhật: 14:36 26/06/2023

Người nhận  
Tran CuongQuyet  
Điện thoại: 0356970686  
Địa chỉ: 266/13/11, Phường 3, Quận 5, TP. Hồ Chí Minh

Tổng tiền hàng 182.000đ  
Phí vận chuyển 0.000đ

Hình thức thanh toán  
Hình thức vận chuyển

Thanh toán khi nhận hàng (COD)  
Giao hàng tiêu chuẩn (nhanh)  
Dự kiến giao hàng: 28/06/2023

Bạn có muốn hủy đơn hàng?

Có Không

Sản phẩm	Đơn giá	Số lượng	Thành tiền
Hộp bút gỗ ngăn kéo	150.000đ	1	150.000đ
Khung ảnh bằng khen	32.000đ	1	32.000đ

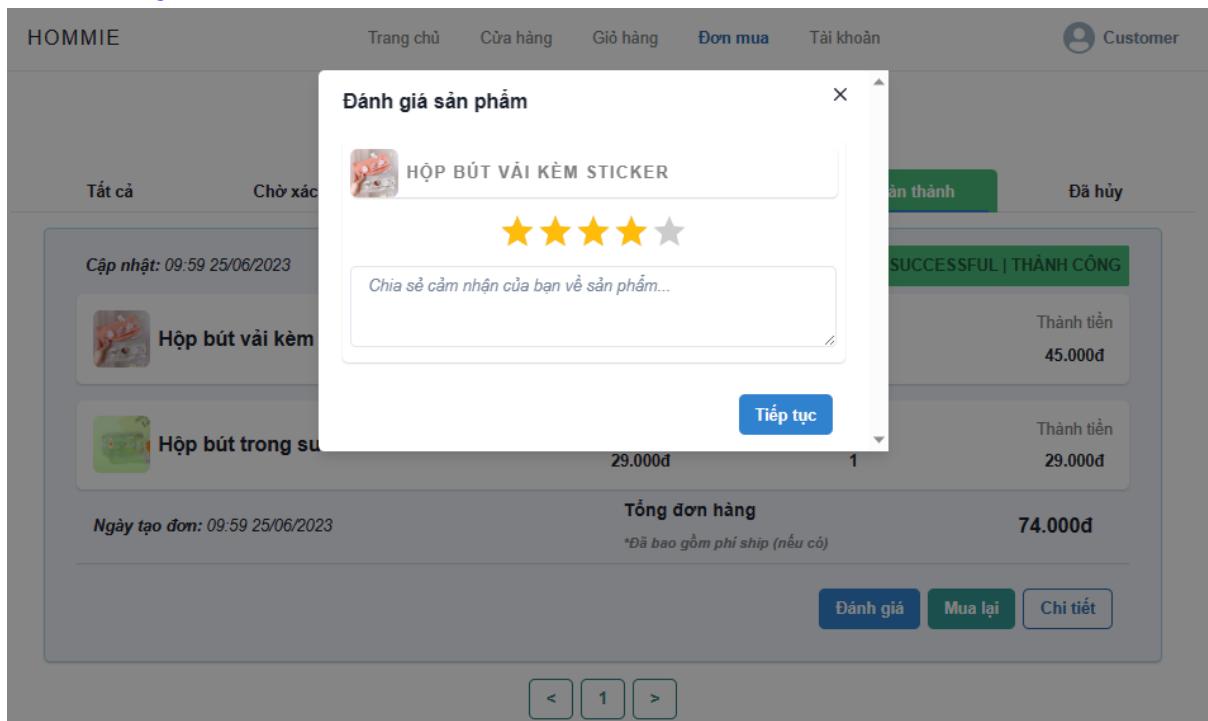
**Function Details:** CANNOT cancel the order that was in processing

### f. <<Rating/Feedback the Successful Order>>

**Function trigger:** Customer wants to rate and send feedback about a product or service that they used.

**Function description:** The "Rating or Feedback for Successful Orders" functionality allows users to provide ratings and feedback for orders that have been successfully fulfilled. This feature enables users to share their experiences, express satisfaction, and provide valuable insights to businesses.

### Screen layout:



**Function Details:** Rating and feedback after a successful order.s

## 8. <<Staff Management>>

### a. <<View Staff List>>

**Function trigger:** Manager wants to view the list of staff to do some actions.

**Function description:** The view staff function will help the manager view the list of staff with a pageable page.

### Screen layout:



## BÀNG THÔNG TIN NHÂN VIÊN

[Thêm nhân viên mới](#) Tim kiếm...

ID	TÊN	NĂM SINH	TÊN ĐĂNG NHẬP	EMAIL	ĐIỆN THOẠI	ĐỊA CHỈ	CHI TIẾT
WalterEspinoza	Jasmine Scott		WalterEspinoza	adamgoodwin@example.org			<a href="#">Chi tiết</a>
AaronLucas	Carolyn Marshall		AaronLucas	ambermassey@example.org			<a href="#">Chi tiết</a>
ElizabethSmith	David Wilson		ElizabethSmith	andrea38@example.com			<a href="#">Chi tiết</a>
RebeccaWilson	Kristen Phillips		RebeccaWilson	ashleypowell@example.net			<a href="#">Chi tiết</a>
MatthewLe	Nathan Miller		MatthewLe	carolthompson@example.com			<a href="#">Chi tiết</a>
ChasePhillips	Richard Gonzales		ChasePhillips	ccarney@example.com			<a href="#">Chi tiết</a>
JamesNguyen	Dennis Wolf		JamesNguyen	csanchez@example.com			<a href="#">Chi tiết</a>

**Function Details:** The manager will view all staff with enable that was true. RequestParam pageNo and pageSize is used to identify the page of the staff list.

### b. <<View detailed staff's profile>>

**Function trigger:** Manager wants to view the detailed information of staff.

**Function description:** The function will help managers view the detailed information of staff by username or email. The information that is shown is such as username, email, phone number, full name, etc. The staff account was identified by their username or email

### **Screen layout:**

The screenshot shows a staff profile edit screen. At the top, there is a navigation bar with the brand name "HOMMIE" and links for "Trang chủ", "Quản lý nhân viên", and "Thống kê". On the far right is a user icon. Below the navigation is a header section with a blue "Chỉnh sửa" button and a red "Xóa" button. In the center is a large circular profile placeholder with the text "WalterEspinoza" below it. The main form area contains six input fields with labels and values: "Tên Đăng Nhập" (Username) with value "WalterEspinoza", "Họ" (Last Name) with value "Jasmine", "Tên" (Name) with value "Scott", "Email" with value "adamgoodwin@example.org", "Số Điện Thoại" (Phone Number) which is empty, and "Địa Chỉ" (Address) which is also empty.

**Function Details:** Manager can choose a staff to view their detailed information: PathVariable check is the username and email of the staff that manager want to view

If the staff account does not exist. System will show that “CANNOT FIND THE STAFF ACCOUNT”

### **c. <<Edit Staff Profile >>**

**Function trigger:** Manager wants to edit profile of a staff account

**Function description:** The function will help managers edit a staff's profile that exists if the staff account information is not right. The staff account was identified by their username or email

### **Screen layout:**



WalterEspinosa

Tên Đăng Nhập	WalterEspinosa
Họ	Jasmine
Tên	Scott
Email	adamgoodwin@example.org
Số Điện Thoại	
Địa Chỉ	
Năm Sinh	

Chỉnh sửa    Xóa

**Function Details:** The profile information that manager can edit is email and some staff's information. If the system cannot find the staff account, show the message "CANNOT FIND STAFF ACCOUNT"

#### d. <<Add a new staff>>

**Function trigger:** Manager wants to create a new staff account

**Function description:** The function will help managers create a new staff account by some given information of the staff.

### Screen layout:

The screenshot shows a user interface for creating a new staff member. At the top, there's a navigation bar with 'HOMMIE', 'Trang chủ', 'Quản lý nhân viên', 'Thống kê', and a user icon. Below the navigation is a title 'Tạo mới nhân viên' and two buttons: 'Hoàn tất' (blue) and 'Hủy' (red). The main area contains input fields for: '@UserName' (with a placeholder icon), 'Tên Đầy Đủ', 'Tên Đăng Nhập', 'Email', 'Số Điện Thoại', 'Địa Chỉ', 'Gender' (with radio buttons for Male, Female, Other), and 'Năm Sinh' (with a placeholder YYYY).

**Function Details:** The given information are username, email, phone number, address, year of birth, gender, etc. Username and email cannot exist. If it happens, the system shows “Username or Email was Existing”.

### e. <<Delete a staff>>

**Function trigger:** Manager wants to delete staff

**Function description:** The function will help managers delete or ban a staff account because of some reasons. The staff account was identified by their username or email

### Screen layout:

The screenshot shows a user interface for managing staff profiles. At the top, there is a navigation bar with links for 'Trang chủ', 'Quản lý nhân viên', and 'Thống kê'. On the far right of the header is a user icon. Below the header, a green button labeled '<< Danh sách nhân viên' is visible. The main content area displays a staff profile for 'WalterEspinoza'. The profile includes a placeholder user icon, the name 'WalterEspinoza', and four input fields for 'Tên Đăng Nhập' (WalterEspinoza), 'Họ' (Jasmine), 'Tên' (Scott), and 'Email' (adamgoodwin@example.org). Above the input fields are two buttons: 'Chỉnh sửa' (Edit) in blue and 'Xóa' (Delete) in red.

**Function Details:** The enabled field of staff account will be edited to 0. After staff was deleted, the staff cannot use any feature of staff role and cannot sign in to the website.

## 9. <<Order Management (staff)>>

### a. <<View order placed >>

**Function trigger:** Staff wants to view order list of customer

**Function description:** The "View Order Placed" function is designed for staff members within a system or platform to access and review orders that have been placed by customers. It provides staff members with the necessary information about each order, allowing them to track the progress of the order and manage related tasks effectively.

**Screen layout:**

## Quản lý đơn hàng

Tất cả	Chờ xác nhận	Đã xác nhận	Đang giao	Đã hoàn thành	Đã từ chối	Đã hủy	Thất bại
ID	NGÀY TẠO ĐƠN	TRẠNG THÁI	NGƯỜI NHẬN	SỐ ĐIỆN THOẠI	ĐỊA CHỈ NHẬN HÀNG	THANH TOÁN	CHI TIẾT
55	14:37 26/06/2023	PENDING	Tran CuongQuyet	0356970686	266/13/11, Phường Bình Nhâm, ...	32.000đ	<button>Chi tiết</button>
54	14:36 26/06/2023	CANCELLED	Tran CuongQuyet	0356970686	266/13/11, Phường 3, Quận 5, T...	182.000đ	<button>Chi tiết</button>
53	21:05 25/06/2023	DELIVERING	Tran CuongQuyet	0356970686	266/13/11, Phường Hoà Quý, Qu...	320.671đ	<button>Chi tiết</button>
52	21:03 25/06/2023	REFUSED	Tran CuongQuyet	0356970686	266/13/11, Phường Tân Phước ...	229.771đ	<button>Chi tiết</button>
51	20:59 25/06/2023	DELIVERING	Tran CuongQuyet	0356970686	266/13/11, Xã Lộc An, Huyện Đầu...	761.771đ	<button>Chi tiết</button>
50	10:50 25/06/2023	REFUSED	Tran CuongQuyet	0356970686	266/13/11, Xã Bắc Sơn, Huyện T...	45.000đ	<button>Chi tiết</button>
49	10:34 25/06/2023	DELIVERING	Tran CuongQuyet	0356970686	266/13/11, Phường Tân Định, Th...	57.000đ	<button>Chi tiết</button>
48	10:31 25/06/2023	DELIVERING	Tran CuongQuyet	0356970686	266/13/11, Phường Thạnh Xuân,...	325.000đ	<button>Chi tiết</button>
47	09:59 25/06/2023	SUCCESSFUL	Tran CuongQuyet	0356970686	266/13/11, Phường Thạnh Xuân,...	74.000đ	<button>Chi tiết</button>
46	22:07 19/06/2023	PENDING	Duy Đức	0934968393	DH FPT, D1, Phường Long Than...	40.000đ	<button>Chi tiết</button>
45	22:02 19/06/2023	PENDING	Duy Đức	0934968393	ĐH FPT, D1, Phường Long Thạn...	58.000đ	<button>Chi tiết</button>
44	22:01 19/06/2023	CANCELLED	Duy Đức	0934968393	Đại học FPT, D1, Phường Long ...	190.000đ	<button>Chi tiết</button>

< 1 2 >

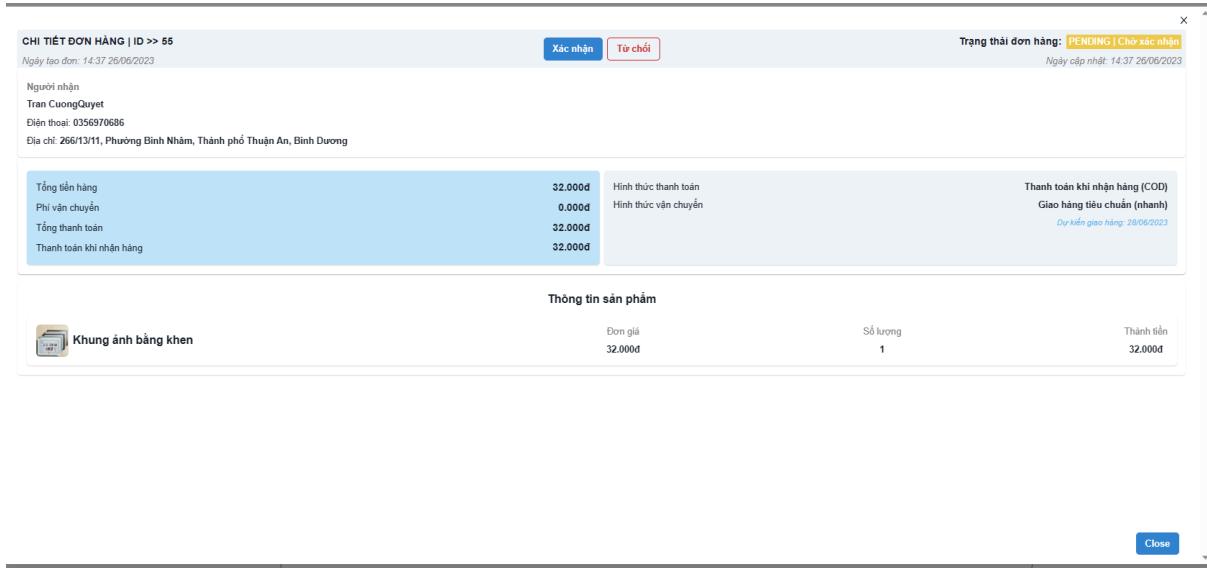
### Function Details:

#### b. <View detail of each order>

**Function trigger:** Staff want view detail of each order

**Function description:** The viewOrderDetail function is responsible for displaying the detailed information of a specific order. It provides staff members with a comprehensive view of each order, including itemised lists of products or services ordered, quantities, prices, payment information, shipping details, and any other relevant information associated with the order.

## Screen layout:



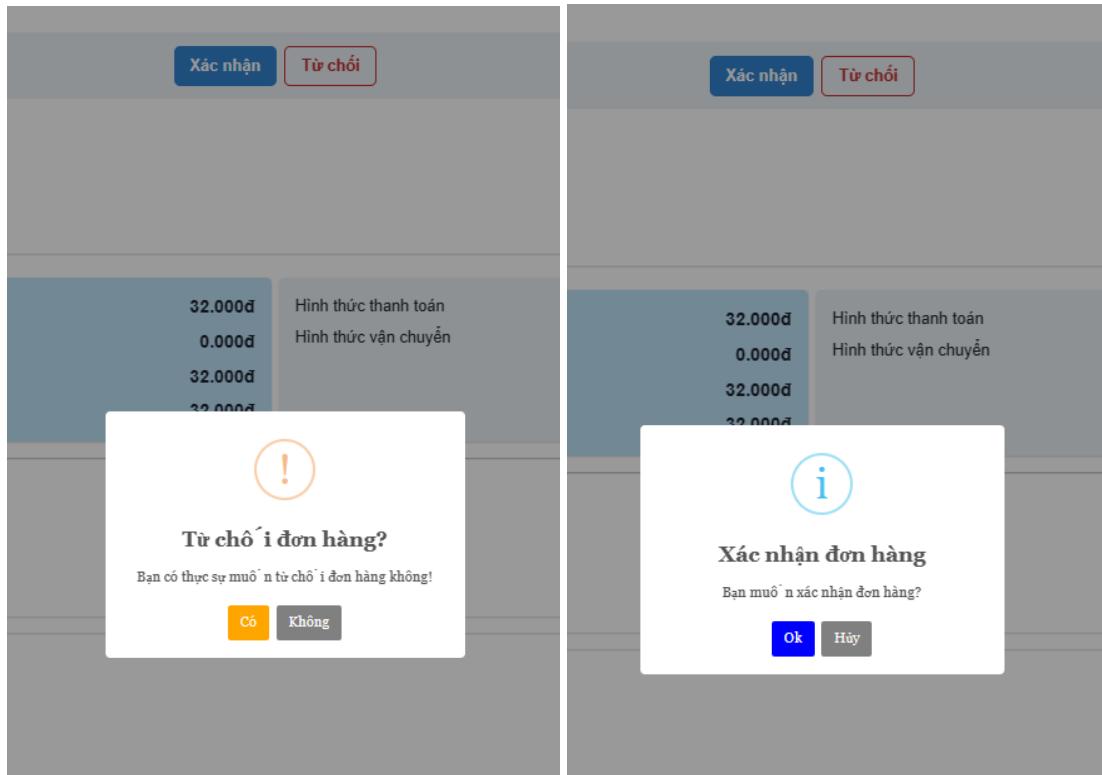
## Function Details:

### c. <<Refuse/confirm order>>

**Function trigger:** Staff want refuse/confirm order

**Function description:** The manageOrder() function handles the process of confirming or refusing an order based on the staff member's decision. This function allows staff members with the appropriate role and permissions to take action on an order, either confirming it for further processing or refusing it.

## Screen layout:



### Function Details:

#### 10. <<Statistic>>

##### a. <<View Statistics by Revenue>>

**Function trigger:** Manager want view the revenue of store

**Function description:** The specific method for viewing revenue may vary depending on the source of the information and the format in which it is presented

### Screen layout:

The screenshot shows the HOMMIE dashboard with the following key elements:

- Top navigation:** HOMMIE, Trang chủ, Quản lý nhân viên, Thông kê, Manager.
- Left sidebar (Dashboard):**
  - Tổng quan
  - Doanh thu
  - Đơn hàng
  - Top sản phẩm
  - Top khách hàng
- Revenue Summary:**

Doanh thu tháng 6.306.000 ₫	Doanh thu tuần 0 ₫	Doanh thu ngày 0 ₫
--------------------------------	-----------------------	-----------------------
- Weekly Sales Table:**

**Bảng doanh thu**

Thứ 2:	0 ₫
Thứ 3:	0 ₫
Thứ 4:	0 ₫
Thứ 5:	0 ₫
Thứ 6:	0 ₫
Thứ 7:	0 ₫
Chủ nhật:	0 ₫
- Today's Summary:**

**Doanh thu hôm nay**

CẬP NHẬT	MÃ ĐƠN HÀNG	TRANG THÁI	THU VỀ
----------	-------------	------------	--------

**Function Details:** View the revenue of the store by day, week, month and quarter

### b. <<View statistics by product>>product

**Function trigger:** Manager want view the statistic of product

**Function description:** This function retrieves and displays statistics and metrics related to a specific product or a set of products. It takes input parameters such as the product identifier, time range, or any other relevant filters to narrow down the data.

**Screen layout:**

**Dashboard**

-  Tổng quan
-  Doanh thu
-  Đơn hàng
-  Top sản phẩm
-  Top khách hàng

**Top sản phẩm bán chạy**   
(trong tháng)

 ID >> 6	Cốc Sứ Hai Màu	10 đã bán
 ID >> 53	Khung ảnh Hàn Quốc	6 đã bán
 ID >> 61	Hộp bút trong suốt size lớn	6 đã bán
 ID >> 55	Hộp bút thủy tinh	5 đã bán
 ID >> 59	Hộp bút giò sắt	4 đã bán
 ID >> 63	Hộp đựng bút TOTORO	4 đã bán
 ID >> 56	Hộp bút gỗ ngăn kéo	4 đã bán
 ID >> 54	Chiến binh giữ bút	2 đã bán
 ID >> 57	Hộp bút xe đạp	2 đã bán
 ID >> 22	Trò Chơi Bắn Bóng Rổ	2 đã bán
 ID >> 58	Hộp bút đồng hồ cát	2 đã bán
 ID >> 23	Con Quay Vortecon	1 đã bán
 ID >> 62	Hộp bút vải kèm sticker	1 đã bán
 ID >> 51		

**Top sản phẩm yêu thích**   
(trong tháng)

 ID >> 22	Trò Chơi Bắn Bóng Rổ	★★★★★
 ID >> 23	Con Quay Vortecon	★★★★★
 ID >> 6	Cốc Sứ Hai Màu	★★★★★
 ID >> 63	Hộp đựng bút TOTORO	★★★★★
 ID >> 55	Hộp bút thủy tinh	★★★★★
 ID >> 56	Hộp bút gỗ ngăn kéo	★★★★★
 ID >> 61	Hộp bút trong suốt size lớn	★★★★★
 ID >> 59	Hộp bút giò sắt	★★★★★
 ID >> 53	Khung ảnh Hàn Quốc	★★★★★
 ID >> 54	Chiến binh giữ bút	★★★★★
 ID >> 57	Hộp bút xe đạp	★★★★★
 ID >> 58	Hộp bút đồng hồ cát	★★★★★
 ID >> 62	Hộp bút vải kèm sticker	★★★★★
 ID >> 51		

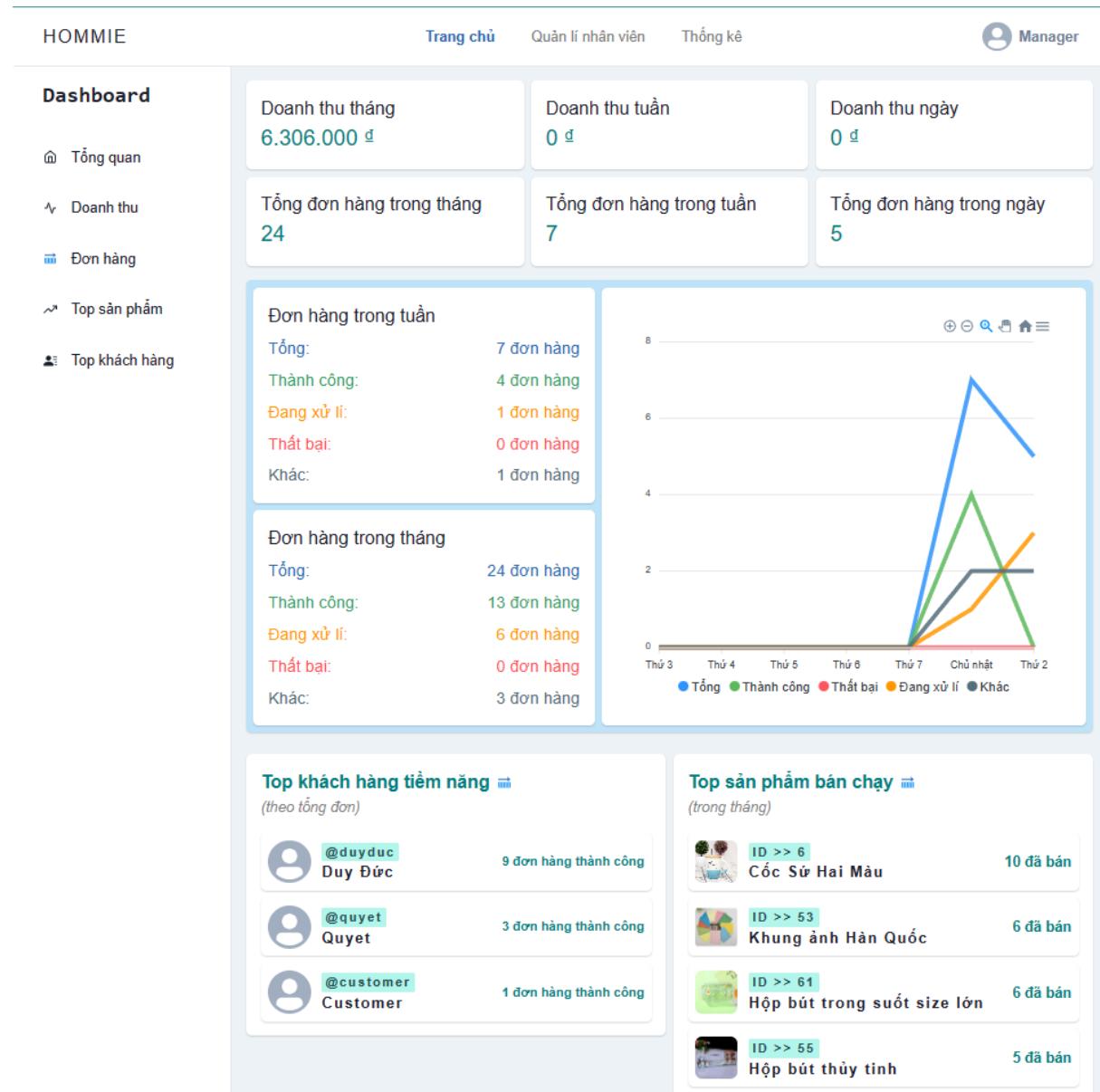
**Function Details:** View the product statistic of the store by day, week, month and quarter. View the sold, top sale and top rating

**c. <<View storderstatistics by order>>**

**Function trigger:** Manager want view the statistic of order

**Function description:** This function retrieves and displays statistics and metrics related to orders placed in a system or platform. It provides insights into the overall performance of the ordering process, such as the number of orders, order value, average order size, and other relevant metrics

## Screen layout:



**Function Details:** View the order statistic of the store by day, week, month and quarter. View the revenue, the number of orders with each status, the number of orders.

### d. <<View statistic by CustomerCustomer>>

**Function trigger:** Manager want view the statistic of user

**Function description:** This function retrieves and displays statistics and metrics related to user activity and behaviour within a system or platform. It provides insights into user engagement, user demographics, user preferences, or any other relevant metrics that help analyse and understand user behaviour

**Screen layout:**

The screenshot shows the HOMMIE dashboard interface. At the top, there is a navigation bar with links to 'Trang chủ' (Home), 'Quản lý nhân viên' (Employee management), 'Thống kê' (Statistics), and a 'Manager' profile icon. On the left, a sidebar menu titled 'Dashboard' lists several options: 'Tổng quan' (General view), 'Doanh thu' (Revenue), 'Đơn hàng' (Orders), 'Top sản phẩm' (Top products), and 'Top khách hàng' (Top customers). The main content area features two cards. The left card is titled 'Top khách hàng tiềm năng' (Top potential customers) and lists three users: Duy Đức (@duyduc), Quyet (@quyet), and Customer (@customer). The right card is also titled 'Top khách hàng tiềm năng' and lists three users: Duy Đức (@duyduc), Quyet (@quyet), and Customer (@customer), with their respective transaction counts and amounts.

Top khách hàng tiềm năng	(theo tổng đơn)
@duyduc Duy Đức	9 đơn hàng thành công
@quyet Quyet	3 đơn hàng thành công
@customer Customer	1 đơn hàng thành công

Top khách hàng tiềm năng	(theo tổng tiền)
@duyduc Duy Đức	5.399.000 ₫
@quyet Quyet	1.979.000 ₫
@customer Customer	926.000 ₫

**Function Details:** View the user statistic of the store by day, week, month and quarter. View the number of product that user buy, potential customers, etc