

Centre Name: ACE-HCMC-2-FPT.

Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.

SMART SHOP

Review Document

Supervisor:	Mr. Hoang Duc Quang	
Semester:	4	
Batch No:	T1.2309.E1	
Group No:	3	
Team member:	Full name	Roll No.
1.	Dang Ngoc Minh Triet	Student1313754
2.	Truong Thanh Nghia	Student1316198
3.	Doan Nguyen Hong Quan	Student1275264
4.	Nguyen Mau Linh	Student1270648

September, 2023

Contents

REVIEW 1	6
I. Acknowledgement	7
II. Problem Definition.....	7
Introduction:.....	7
III. Requirement Specification.....	7
1. Customer's Requirement Specifications	7
1.1. Guest User:	7
1.2. Registered User:	7
1.3. Admin:	7
2. Functional Requirement Specifications.	8
2.1. Function of Guests:	8
2.2. Function of Users:	8
2.3. Function of Admin:	8
3. Non-Functional Requirement Specifications:	8
IV. Model Development.....	9
V. System requirement specifications.....	9
1. Server requirements:	9
❖ Hardware	9
❖ Software	10
2. Client Requirements:	10
❖ Hardware	10
❖ Software	10
3. Development Software	11
4. Technology	11
REVIEW 2	12
VI. User Case Diagram	13
1. Unregister User:	13
2. Registered User:	14
3. Admin:	15
VII. Sequence Diagram	16
1. Unregistered Users(Guest):	16
1.1. Sign up:	16
1.2. Search:	17
1.3. Filter:	18
1.4. View Product Details:	19
1.5. View Comment and Rating	20
2. Registered User(Customer):	21
2.1. Login	21

2.2.	Update Account Information	22
2.2.1.	Update Information	22
2.2.2.	Change Password	23
2.3.	Cart.....	24
2.3.1.	Add to Cart.....	24
2.3.2.	Remove item in the cart.....	25
2.3.3.	Update quantity.....	26
2.3.4.	Check out	27
2.3.4.1.	Input Information	27
2.3.4.2.	Confirm Order	28
2.3.5.	Manage orders.....	29
2.3.5.1.	View Order History	29
2.3.5.2.	View Order Detail	29
2.4.	Rating	30
2.5.	Comment.....	31
3.	Admin:	32
3.1.	Manage Accounts	32
3.1.1.	Create New Account	32
3.1.2.	Update Account Information	33
3.1.2.1.	Update Information	33
3.1.2.2.	Change Password	34
3.1.3.	Disable User's Account.....	35
3.2.	Manage Products.....	36
3.2.1.	Create New Product.....	36
3.2.2.	Update Product	37
3.2.3.	Disable Product	38
3.3.	Manage Categories.....	39
3.3.1.	Create New Category.....	39
3.3.2.	Update Category	40
3.3.3.	Disable Category	41
3.4.	Manage Orders.....	42
3.4.1.	Change Order's Status	42
3.4.2.	Cancel Order	43
3.5.	Manage Comments and Ratings	44
3.5.1.	View Comments and Ratings List	44
3.5.2.	Disable a Comment and Rating	45
3.6.	Manage Reports	46
3.6.1.	View Revenue of Shop	46
3.6.2.	View Report of Best-Seller Products	47

3.6.3. View Report of Best-Seller Categories	48
3.6.4. View Report Inventory Products.....	49
VIII. Entity Relationship Diagram(ERD Concept).....	50
REVIEW 3	52
IX. Database Design.....	53
1. Entity Relationship Diagram	53
2. Schema Overview.....	53
3. Detail Schema.....	54
3.1. app_roles.....	54
3.2. users.....	54
3.3. user_roles	54
3.4. categories	55
3.5. products	55
3.6. carts	55
3.7. cart_details.....	56
3.8. orders	56
3.9. order_details	56
3.10. favorites.....	57
3.11. rates	57
3.12. notification.....	57
X. Sitemap	58
1. Admin Sitemap.....	58
2. Customer Sitemap.....	59
XI. Guide Design.....	60
1. Web App	60
1.1. Customer.....	60
1.1.1. Homepage	60
1.1.2. Shop(Product Gallery).....	62
1.1.3. About Us	63
1.1.4. Contact Us.....	64
1.1.5. Login & Register	65
1.1.5.1. Login.....	65
1.1.5.2. Register	66
1.1.6. Information Management	67
1.1.6.1. Update Information	67
1.1.6.2. Change Password	68
1.1.7. Detail Product.....	69
1.1.8. Favorite	70
1.1.9. Cart.....	71

1.1.9.1.	Cart Manage Page.....	71
1.1.9.2.	Checkout	72
1.1.9.3.	Payment	73
1.1.9.3.1.	Payment with Card	73
1.1.9.3.2.	Payment with Paypal	74
1.1.10.	Order Management.....	75
1.1.10.1.	Order History	75
1.1.10.2.	Order Detail.....	75
1.1.11.	Comment and Rating Product.....	76
1.2.	Admin.....	76
1.2.1.	Login.....	76
1.2.2.	Logout	77
1.2.3.	Dashboard.....	77
1.2.4.	Customer Management	78
1.2.4.1.	Customer Manage Page.....	78
1.2.4.2.	Add New Customer	78
1.2.4.3.	Update Customer Information	79
1.2.4.4.	Disable Customer	79
1.2.5.	Category Management	80
1.2.5.1.	Category Manage Page	80
1.2.5.2.	Add New Category	80
1.2.5.3.	Update Category	81
1.2.5.4.	Disable Category	81
1.2.6.	Product Management	82
1.2.6.1.	Product Manage Page.....	82
1.2.6.2.	Add New Product.....	82
1.2.6.3.	Update Product	83
1.2.6.4.	Disable Product	83
1.2.7.	Order Management.....	84
1.2.7.1.	Order Manage Page.....	84
1.2.7.2.	Change Status Order	84
1.2.8.	Rating Management.....	85
1.2.8.1.	Rating Manage Page	85
1.2.8.2.	Disable a Rating	85
1.2.9.	View Report.....	86
1.2.9.1.	Best-seller Products.....	86
1.2.9.2.	Best-seller Categories.....	86
1.2.9.3.	Inventory Products	87
2.	Mobile.....	87

2.1. Customer.....	87
2.2. Admin.....	87

REVIEW 1

I. Acknowledgement

First, we would like to express our gratitude to our dedicated instructor – Mr. Hoang Duc Quang. We would have not been able to finish this dissertation without his guidance and encouragement. During the time of the project, he continuously gave us constructive advises and showed his passion in teaching to help us reach the expected result of the projects. Therefore, we truly value his dedication and we learned a lot from him.

Next, we fully appreciate our team members who worked day and night to carry out and complete this project. Although sometimes there were challenges, but by through them, we learned a lot and our team bonds became stronger. The project is the result of our relentless efforts to improve through every step, our strong commitment to the expected outcome and our passionate spirit at one team.

Finally, we would send a huge thanks to Aptech's Project team who gave us an excellent chance to apply what we have learnt theoretically into real products and gain experience as well as innovative mindset which is extremely vital for our future career and our end users.

II. Problem Definition

Introduction:

The objective of the system is to provide the facilities to all the people concerned with the electronic store management. From the management point of view, works can be done fast and more accurately. To be a website with a user-friendly interface for customers, easily perform operations, goods management, statistics, orders for users. The website provides full functions of viewing, purchasing, remote ordering, commenting, rating electronic products for customers.

The system also provides many kinds of features. Our main objectives for developing this project are giving below

III. Requirement Specification

1. Customer's Requirement Specifications

1.1. Guest User:

- Sign up: All guest user can sign up on the website.
- Sign in: All guest user can sign in after finished sign up.
- View: can see all product, search, comment, rating products, ...

1.2. Registered User:

- User can see information about electronic products such as product category, products name, price, ...
 - Add products to Cart, payment and see order history, comment and rating products,
- ...

1.3. Admin:

- Manage Users, Orders
- Manage Products, Categories, Reports
- Manage Comments, Ratings

2. **Functional Requirement Specifications.**

2.1. Function of Guests:

- REQ-01. View information about Product, Category, Price, Technical specifications of products, ...
- REQ-02. View comment, rating on Products
- REQ-03. Sign up to become registered user

2.2. Function of Users:

- REQ-01. Login, logout to the website
- REQ-02. View information about Product, price, ...
- REQ-03. Add products to cart
- REQ-04. Perform payment
- REQ-05. Order Product
- REQ-06. View history Order
- REQ-07. Comment and rating Product

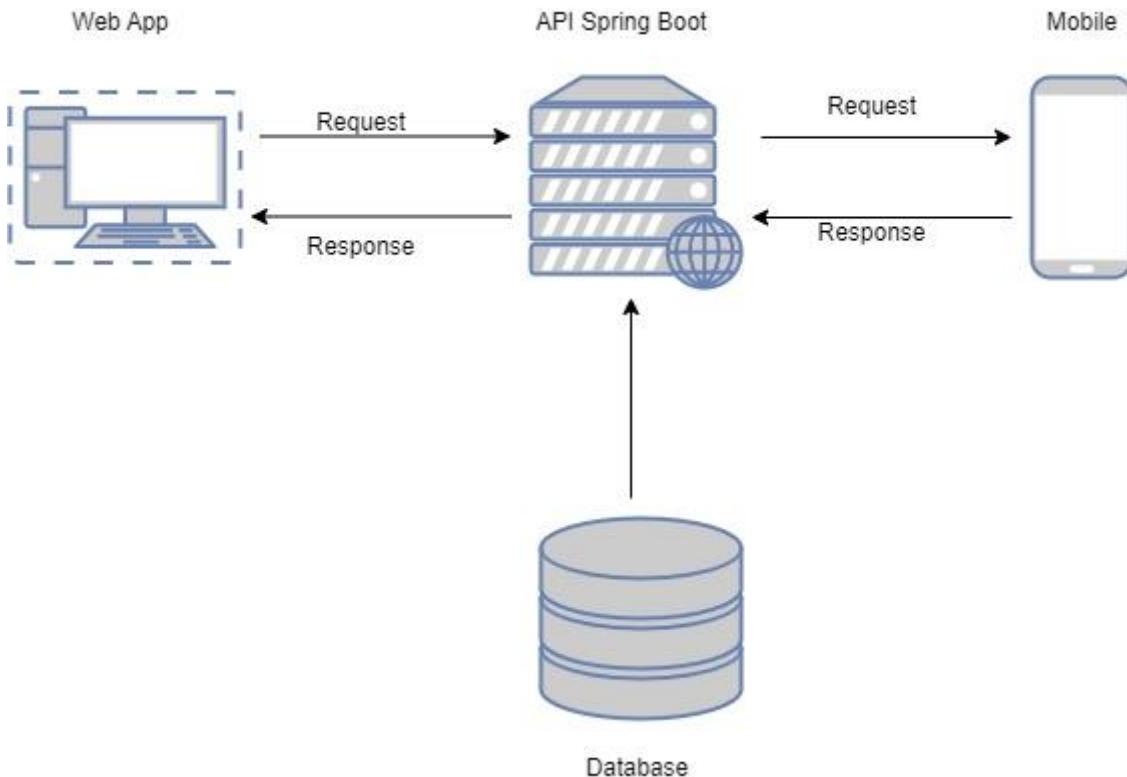
2.3. Function of Admin:

- REQ-04. Manage User account
- REQ-05. Manage Product information
- REQ-06. Manage Order list
- REQ-07. Manage Comment and Rating on Product
- REQ-08. View Revenue

3. **Non-Functional Requirement Specifications:**

- REQ-09. Good User Interface, User Experience.
- REQ-10. Clean code, project.
- REQ-11. Try hard improve the performance.
- REQ-12. Try this website run on all browsers.
- REQ-13. Responsive this website on mobile, tablet, desktop.
- REQ-14. Try limit bugs on this website.

IV. Model Development



V. System requirement specifications

1. Server requirements:

❖ Hardware

Component	Requirement
CPU	Processor type: Pentium IV-compatible processor or faster Processor speed: Recommended: 2.0 GHz or faster
OS	Microsoft Windows XP or higher with IIS
Memory (RAM)	RAM: Minimum: 512 MB Recommended: 2 GB or more
Hard Drive	Free space:

	Minimum: 200 MB Recommended: 50 GB or more Maximum: Operating system maximum
--	--

❖ Software

Component	Requirement
Java	Spring Framework
JavaScript	Angular
Android	React
RDBMS	MySQL

2. Client Requirements:

❖ Hardware

Component	Requirement
CPU	Processor type: Pentium III-compatible processor or faster Processor speed: Recommended: 1.0 GHz or faster
OS	All OS(Window ,Linux ,Android ,Mac OS ...)
Memory (RAM)	RAM: Minimum: 512 MB Recommended: 1 GB or more Maximum: Operating system maximum
Hard Drive	Free space: Minimum: 10 MB

❖ Software

Component	Requirement
Web Browser	IE 4.0 , Firefox 3.0, Chrome or Higher.....

3. Development Software

- ❖ MySQL
- ❖ Git, SourceTree
- ❖ NetBeans 12, Visual Code, Android Studio.

4. Technology

- ❖ Font End:
 - Spring Framework, HTML, CSS, Angular, jQuery, AJAX, React.
- ❖ Back End:
 - Spring Framework
- ❖ Database:
 - MySQL.

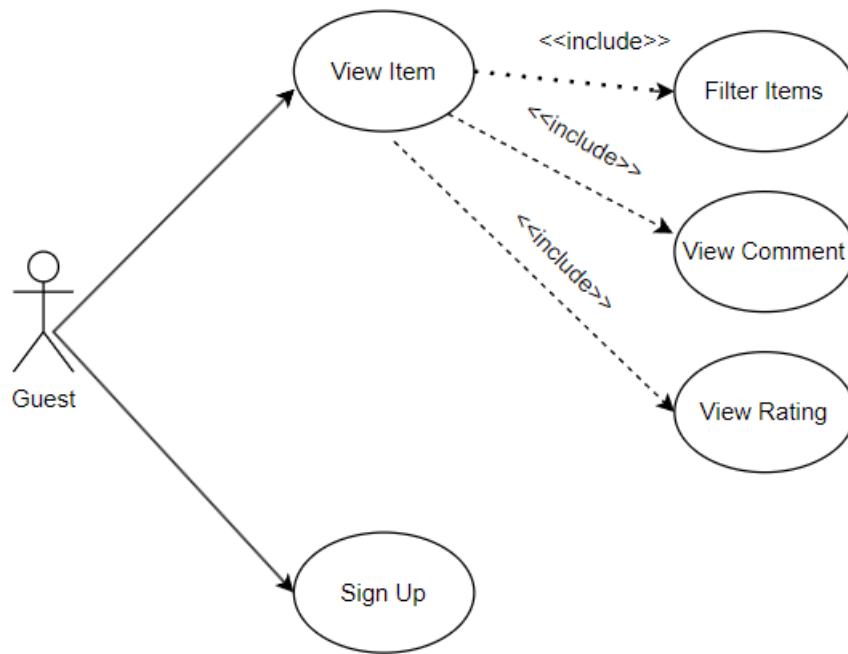
Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:				
St. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status	
1	Acknowledgement	Smart Shop	Dang Ngoc Minh Triet	20/9/2023	1	All member	Completed	
2	Problem Definition			20/9/2023	1	All member	Completed	
3	Requirement Specification			21/9/2023	1	All member	Completed	
4	Task sheet review			21/9/2023	1	Triet	Completed	
Date: 20/9/2023								
Signature of Instructor: Mr. Hoang Duc Quang		Signature of Team Leader: Dang Ngoc Minh Triet						

TASK SHEET REVIEW 1

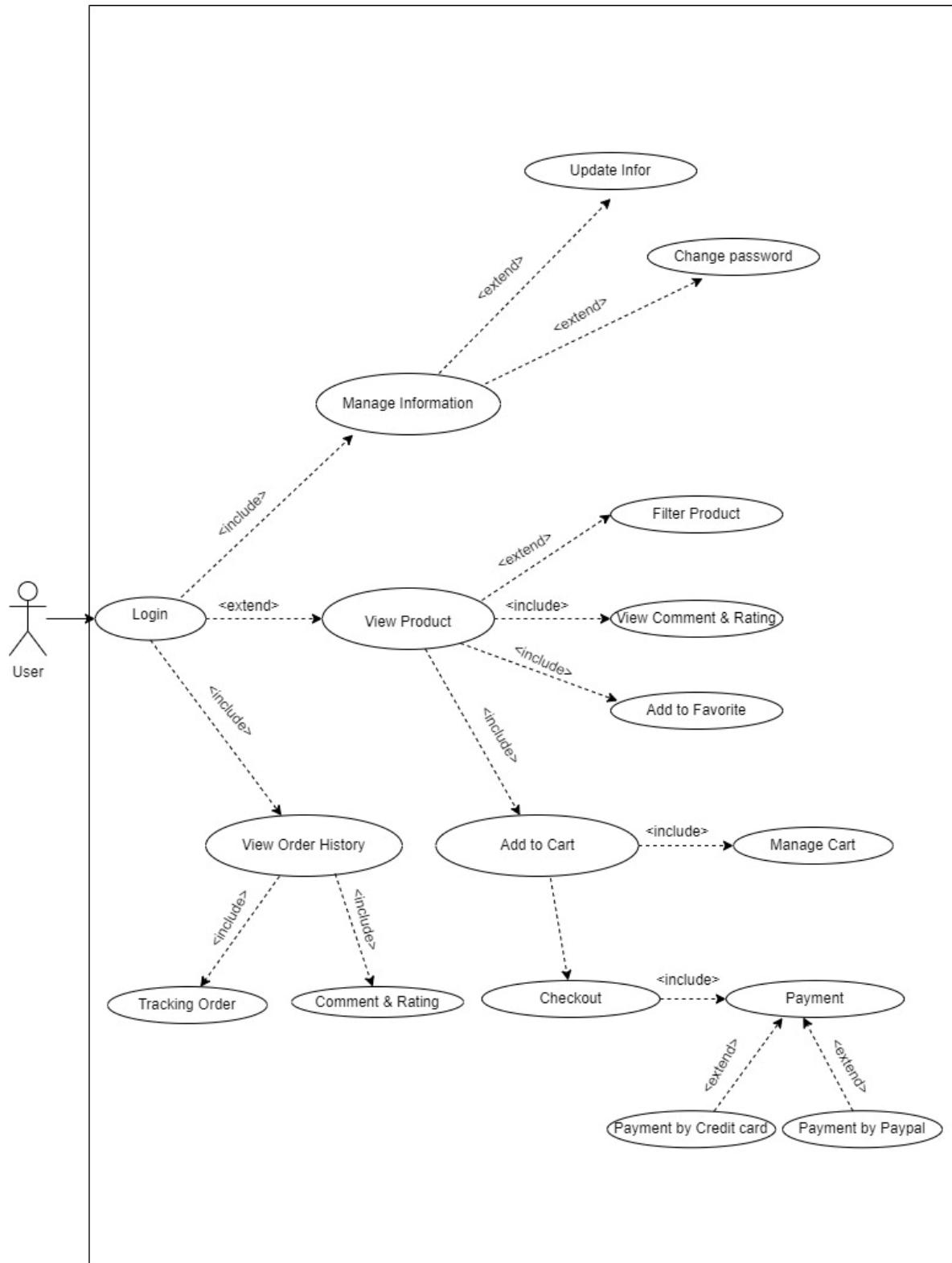
REVIEW 2

VI. User Case Diagram

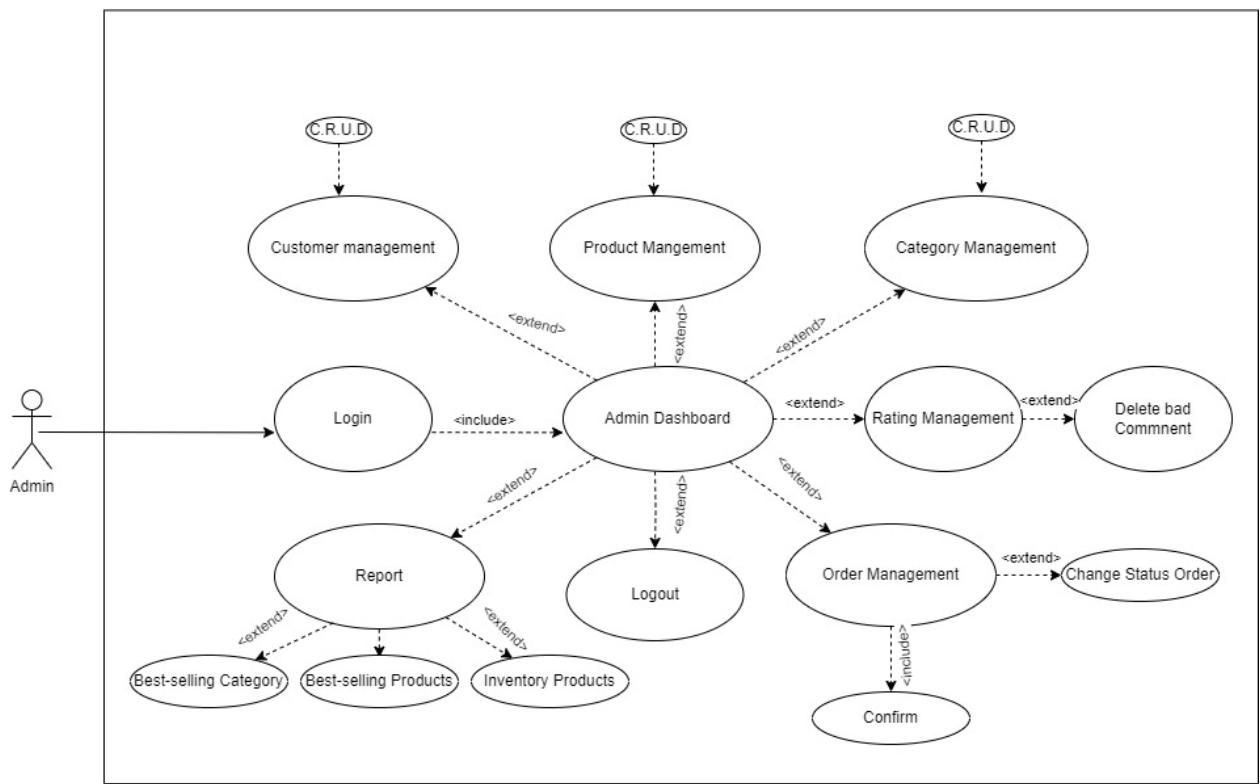
1. Unregister User:



2. Registered User:



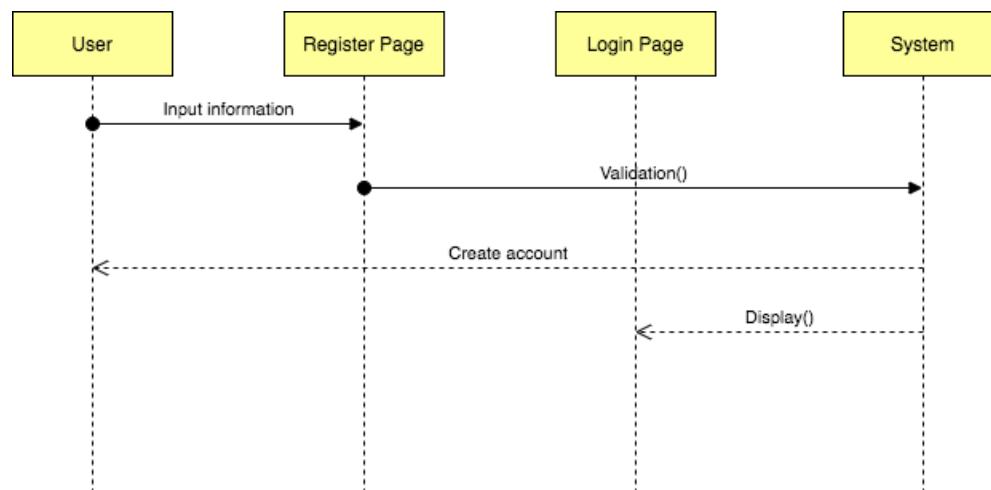
3. Admin:



VII. Sequence Diagram

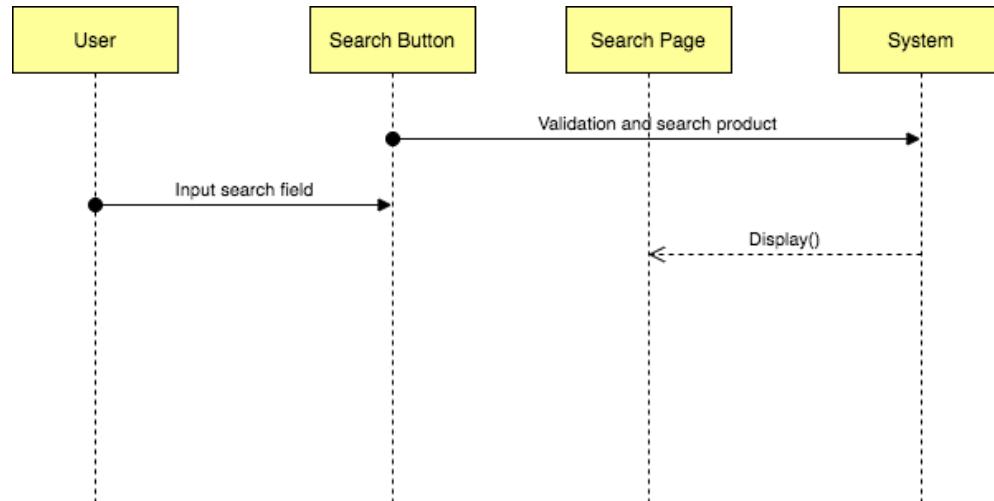
1. Unregistered Users(Guest):

1.1.Sign up:



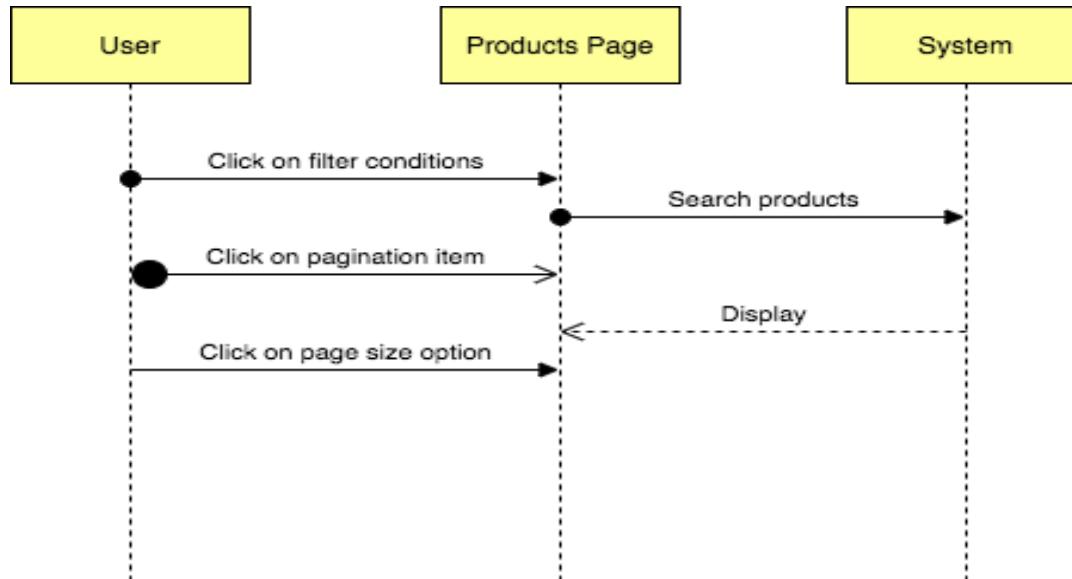
Author		
Use Case Name	Guests– sign up	
Actors	Guests	
Description	Guests sign up	
Requirements		
	Actor Actions	System Responses
Basic flow	1.Input information to these fields : Email, Full Name, Password, Address, Phone, and choose an avatar. Then clicks on Create button	2.System check the information [Exception] 3.Create user account 4.Display Home page.
	[Exception 1] 1. Actor left Full Name blank 2. Actor left Password blank 3. Actor left Email blank. 4.Actor left Address blank. 5.Actor left phone blank. 6.Phone is in wrong format. 7.Email is in wrong format.	Display error message : - “Full Name can not be blank”. -“Password can not be blank” -“Email can not be blank”. -“Address can not be blank”. -“Phone cannot be blank”. -Phone is in wrong format. - “Email is in wrong format”.

1.2.Search:



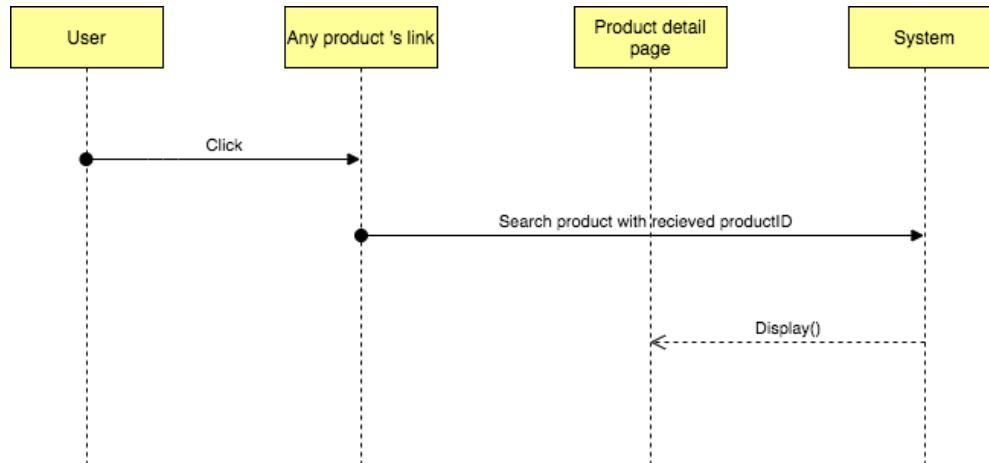
Author		
Use Case Name	Search – Search button	
Actors	Guests and members	
Description	When search button is clicked, search result page will be display with result list of products and their information.	
Requirements	Search string can not blank.	
	Actor Actions	System Responses
Basic flow	1.Actor input search string and click on search button.	2.System check the search string. [Exception 1] 3. System create an empty list to contain search result. 4.Search in Products table to find products which have names contain the search string (ignore case) and add them to result list. 5.Display the result list in the searching result page.
Exception	1.Actor left the search string empty	1.An error message will be displayed: "Search string cannot be empty"

1.3.Filter:



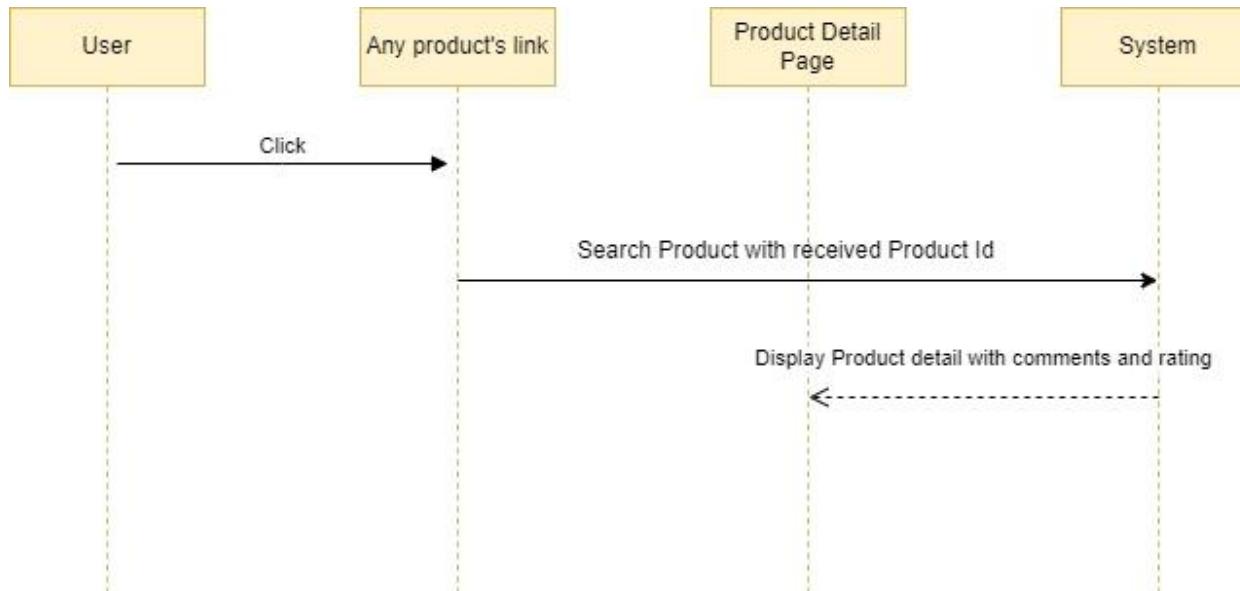
Author		
Use Case Name	Filter	
Actors	Guests and members	
Description	Allows customers view all products which are in the same categories, types, brands or have prices in special range. Products will be displayed with the pagination.	
Requirements	Links of Brands, Categories, Types must be clicked, or range of prices must be chosen	
	Actor Actions	System Responses
Basic flow	1. Clicks on links of Brands, Categories, or select range of prices.	2. Receive parameters passing with the links and search products which have Brands or Categories or Types or Prices satisfied with the parameters. 3. Display the list in the products page.

1.4. View Product Details:



Author		
Use Case Name	View product details	
Actors	Guests and members	
Description	When customer click on any products 's link, a page will be displayed to show all products 's information.	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks on product 's link	2. Receive parameters passing with the links and search products which have productId satisfied with the parameters. 3. Display the details in the ProductDetail page

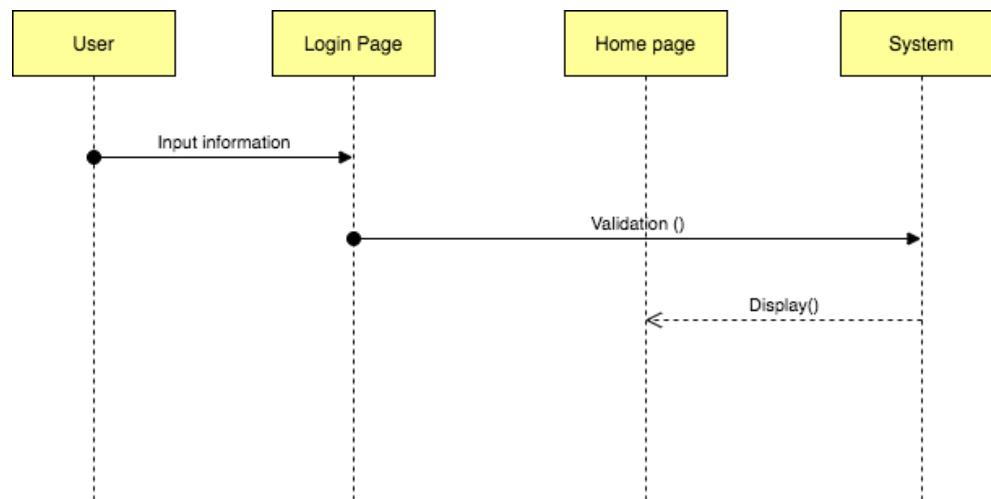
1.5. View Comment and Rating



Author		
Use Case Name	View comments and ratings	
Actors	Guests and members	
Description	When customer click on any products 's link and want to view comments and rating of this product.	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks on product 's link want to view	2. Display the comment and rating in the Product Detail page

2. Registered User(Customer):

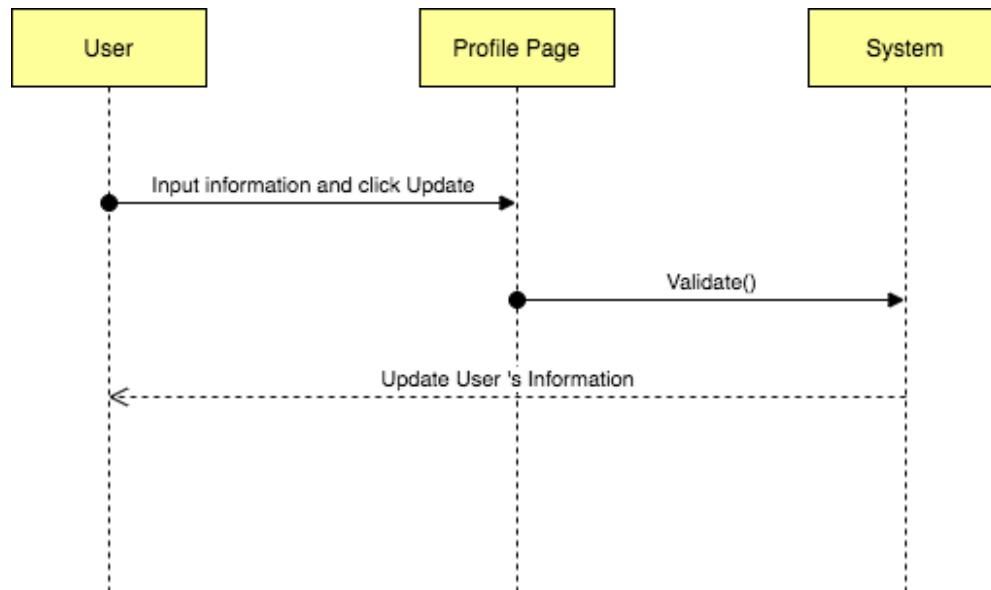
2.1.Login



Author		
Use Case Name	Login	
Actors	Members	
Description	Users log in with their registered email and password.	
Requirements		
	Actor Actions	System Responses
Basic flow	1.Input email and password and clicks on Login button	2.System check email and password [Exception 1] 3. System tracks the user's information and display Home page.
Exception	[Exception 1] 1.Actor left the Email blank 2.Actor left the Password blank 3.Actor inputs wrong email or password	Display error message: -“Please enter the email” - “Please enter the password” -“Wrong email or Password”

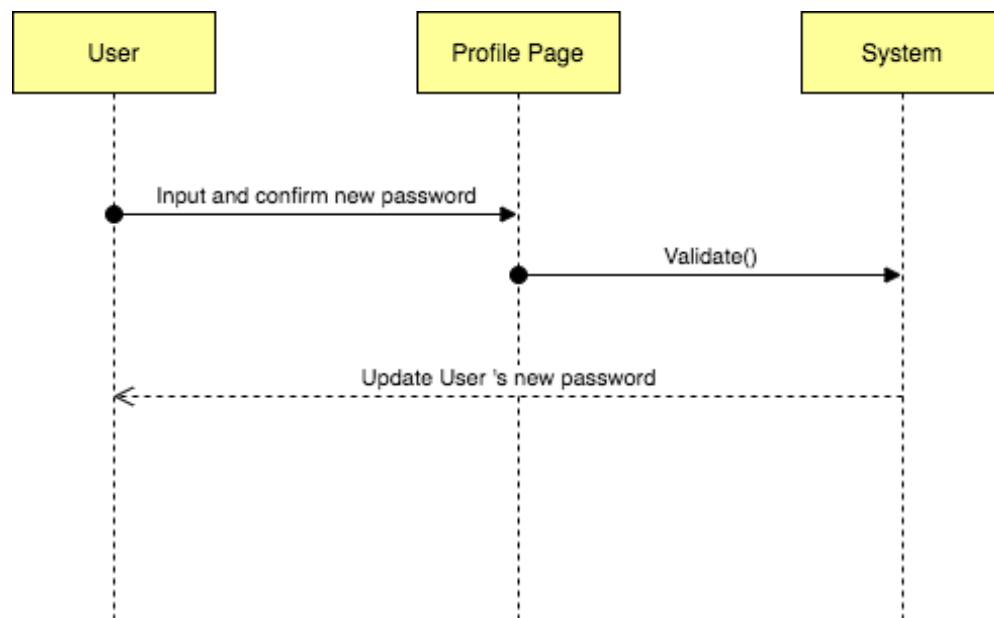
2.2. Update Account Information

2.2.1. Update Information



Author		
Use Case Name	Update information	
Actors	Members	
Description	Users want to edit their private information	
Requirements	Login as member	
	Actor Actions	System Responses
Basic flow	1. Users change their information	2. System check information [Exception 1] 3. Update new information and save to the database.
Exception	[Exception 1] 1. Actor left First Name blank 2. Actor left Last Name blank 3. Actor left Phone Number blank 4. Actor left Gender blank	Display error message: 1. "First Name can not be blank" 2. "Last Name can not be blank" 3. "Phone Number can not be blank" 4. "Gender can not be blank"

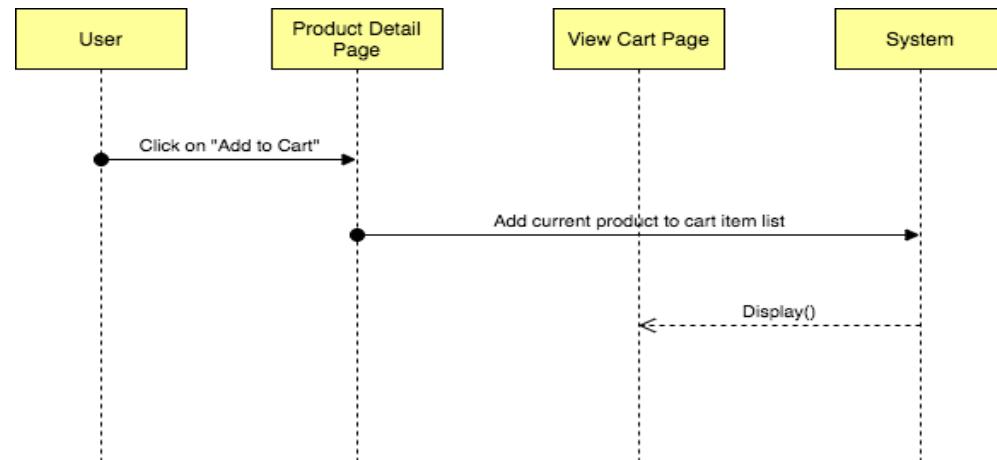
2.2.2. Change Password



Author		
Use Case Name	Update information – Change password	
Actors	Members	
Description	Users want to change the current password.	
Requirements	Login as members	
	Actor Actions	System Responses
Basic flow	1. Input the current password, New Password and confirm Password	2. Check information [Exception 1] 3. Update new password.
Exception	[Exception 1] 1. Old Password is wrong. 2. New Password length is less than 3 3. Confirm Password does not match with New Password	Display error message: - “Old Password is wrong” - “New Password length is less than 3” - “Confirm Password does not match with New Password”

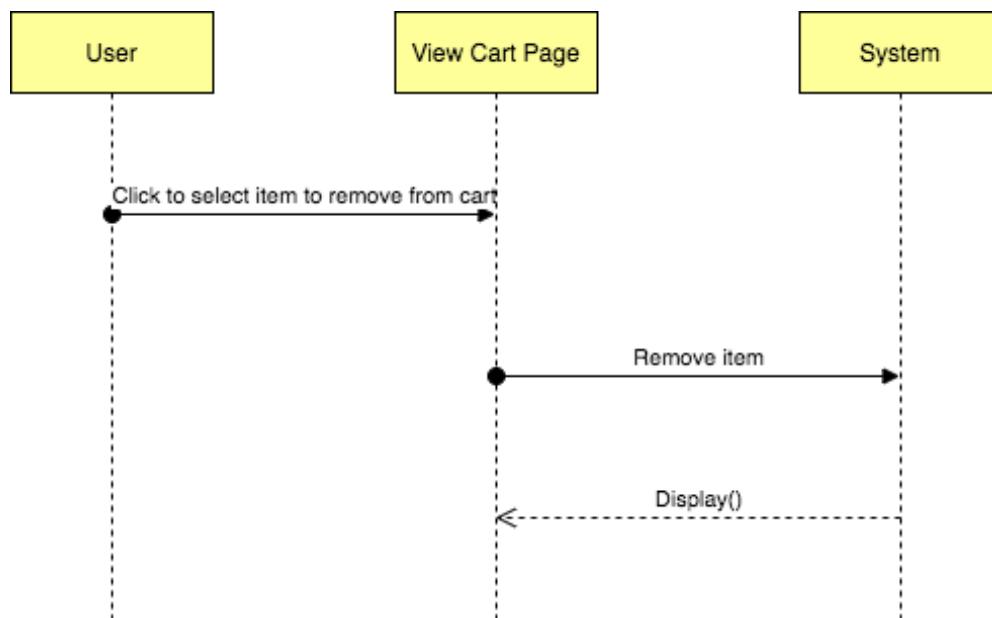
2.3. Cart

2.3.1. Add to Cart



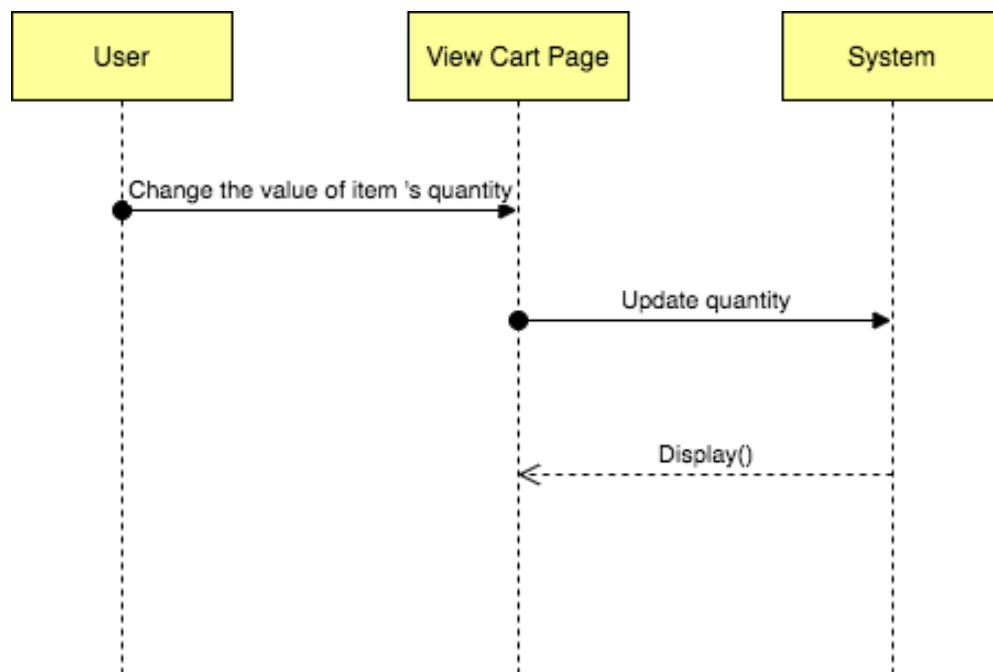
Author			
Use Case Name	Cart – Add		
Actors	Members		
Description	When customers clicks on “Add to Cart” in Product Detail page or Home, the current product will be added/updated into list of cart items, and cart page will be displayed with all cart items.		
Requirements			
	Actor Actions	System Responses	
Basic flow	<p>1. Selects the quantity and clicks on “Add to Cart” in Product Detail Page.</p>	<p>2. Check the added product:</p> <ul style="list-style-type: none"> + If existed in cart, system will add the quantity to the existed item’s quantity. + Else, system will add the product with the selected quantity into the list of cart items. <p>3. Display the cart page with all updated cart items.</p>	

2.3.2. Remove item in the cart



Author		
Use Case Name	Cart – Remove	
Actors	Members	
Description	When customers clicks on remove links and choose “Yes” to confirm, the selected product will be remove from the list of cart items.	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks on remove link of cart items in the cart page. 3. Clicks on “Yes” to confirm.	2. Display 2 buttons: “Yes” and “No” for customer confirm the removing. 4. Remove selected product from the list of cart items and display cart page with updated list.
Alternative flow	5. Clicks on “No”	6. The 2 buttons disappear.

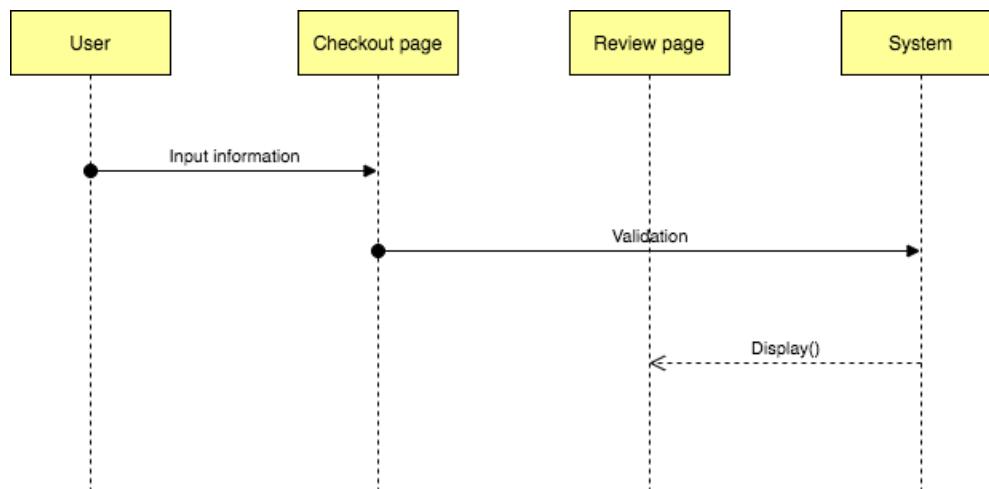
2.3.3. Update quantity



Author		
Use Case Name	Cart – Update quantity	
Actors	Members	
Description	When customers input quantity field of cart item, system will update the quantity, subtotal, total and display cart page with new information	
Requirements	Quantity must be greater than 0.	
	Actor Actions	System Responses
Basic flow	1. Updates new number in the quantity field. [Exception 1]	2. Check the new quantity [Exception 1] 3. Update new quantity, subtotal and total of cart items. 4. Display cart page with new information.
Exception	[Exception 1] 1. Actor input a number less than 0. 2. Actor input a string not in number format	-Display error message “Quantity must be greater than 0”. -Display error message “Quantity is not in number format”.

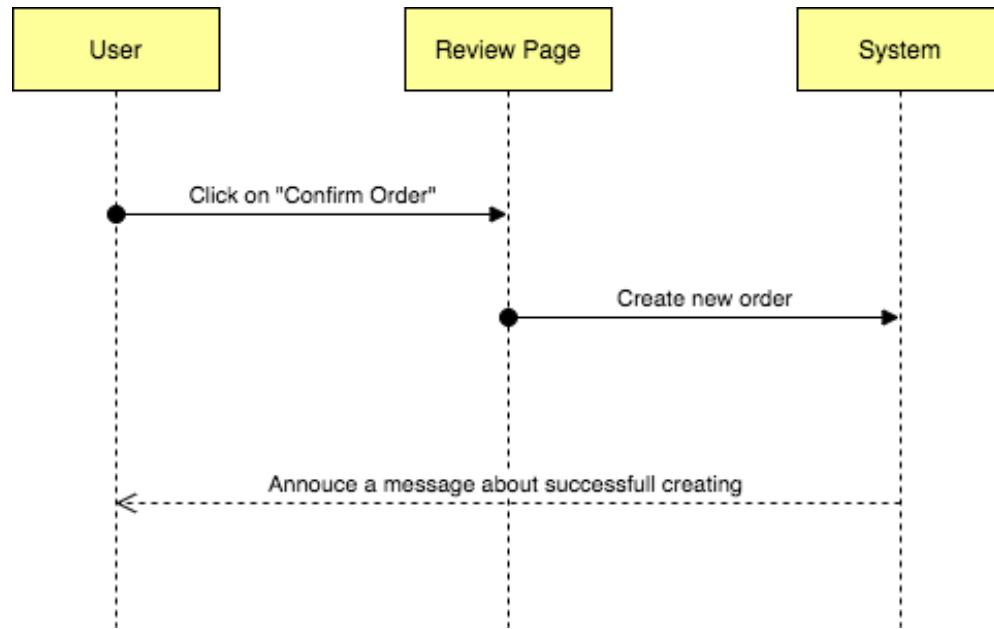
2.3.4. Check out

2.3.4.1. Input Information



Author		
Use Case Name	Check out – Input information	
Actors	Members	
Description	Display field for customers to input information about shipping and payment method.	
Requirements	List of cart items can not be null	
	Actor Actions	System Responses
Basic flow	1. Customers input shipping information (* character means that is a required field) 2. Clicks on Continue button to input Payment method 3. Clicks on Continue button to review.	2. System display input filed for Shipping information: + Receiver's name * + Address * + Phone * + Shipping date * + Note 4. System check the input information [Exception 1] 5. Display 3 payment methods: + Cash on delivery (default) 6. Display review page with all information about the order.
Exception	[Exception 1] 1. Actor left Receiver's name blank. 2. Actor left Address blank. 3. Actor left Phone blank. 4. Actor left Shipping date blank.	Display error message : - "Receive 's name cannot be blank". - "Address cannot be blank". - "Phone cannot be blank". - "Shipping date cannot be blank".

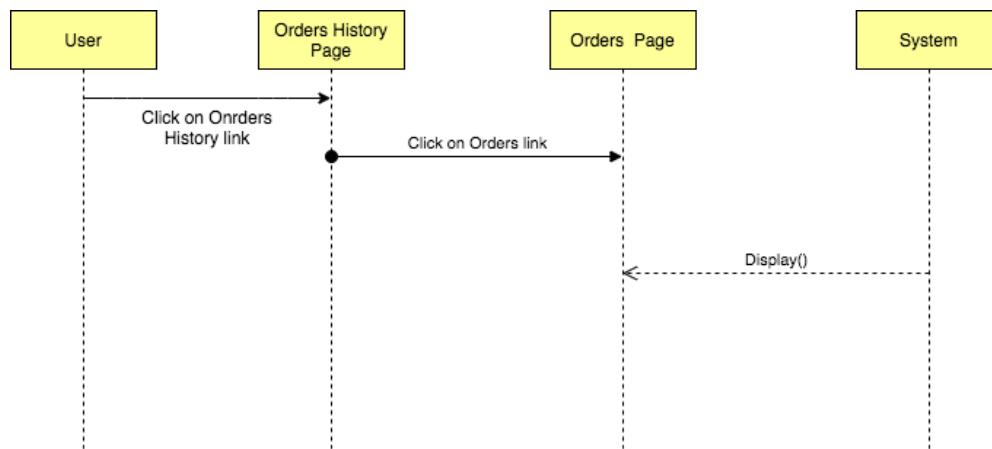
2.3.4.2. Confirm Order



Author		
Use Case Name	Checkout – Confirm order	
Actors	Members	
Description	Customers click on Confirm Order button to make the order, if success, an announcement will be displayed.	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks Confirm Order Button	2. Create new data in Orders and Orders Details tables. 3. Display an announcement to inform about the successful order.

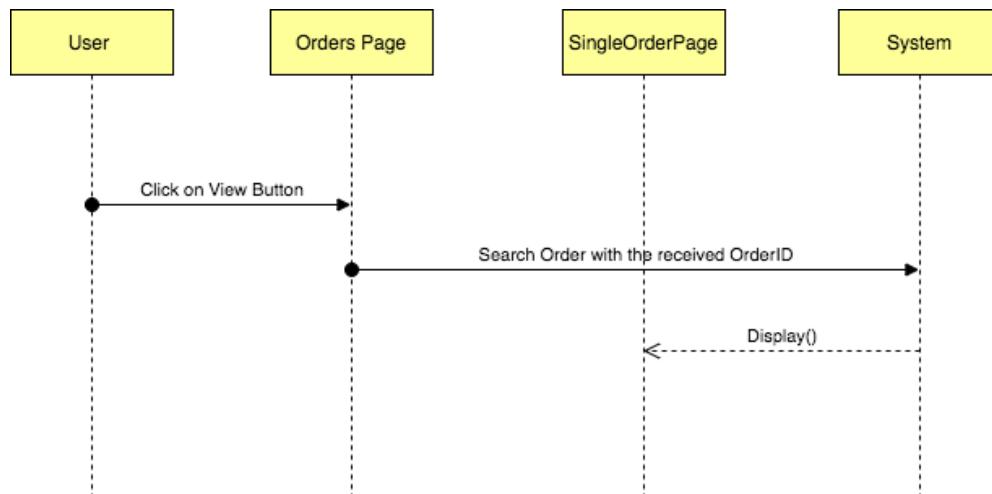
2.3.5. Manage orders

2.3.5.1. View Order History



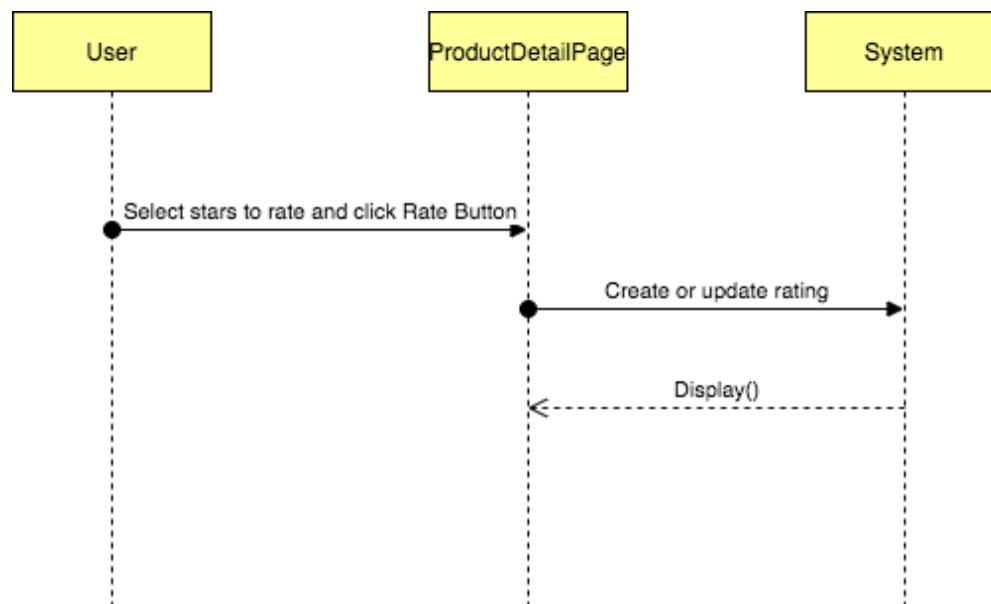
Author		
Use Case Name	Search – Search button	
Actors	Members	
Description	Users can view all orders they made in the past.	
Requirements	Login as member	
	Actor Actions	System Responses
Basic flow	1. Clicks on Orders History link	2. System search all Orders and Orders Details which satisfy the current customerID and display in Orders page.

2.3.5.2. View Order Detail



Author		
Use Case Name	Search – Search button	
Actors	Members	
Description	Users can click on every order to view its details	
Requirements	Login as member	
	Actor Actions	System Responses
Basic flow	1. Clicks on View button on Orders page	2. Search data in Orders Details table which satisfy with selected orderID. 3. Display all searched data in SingleOrder page.

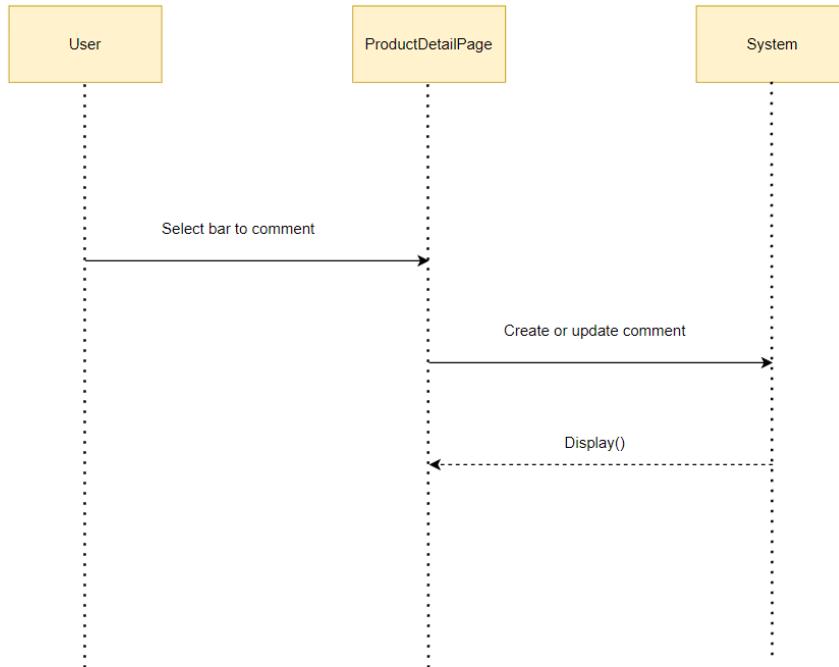
2.4. Rating



Author		
Use Case Name	Rating	
Actors	Members	
Description	Customers want to rate for products (from 1 to 5 stars), if rated, they can view their ratings and can update ratings.	
Requirements	Login as member	
	Actor Actions	System Responses
Basic flow	1. Clicks on stars (include 5 stars) to rate for products and clicks on Submit/Update button	2. System search in Ratings table to find record contains current productID: + if found, update the value of current rating to new rating.

		+ else, create new record with the current productID and rating values 3. Display SingleProduct Page.
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2.5. Comment

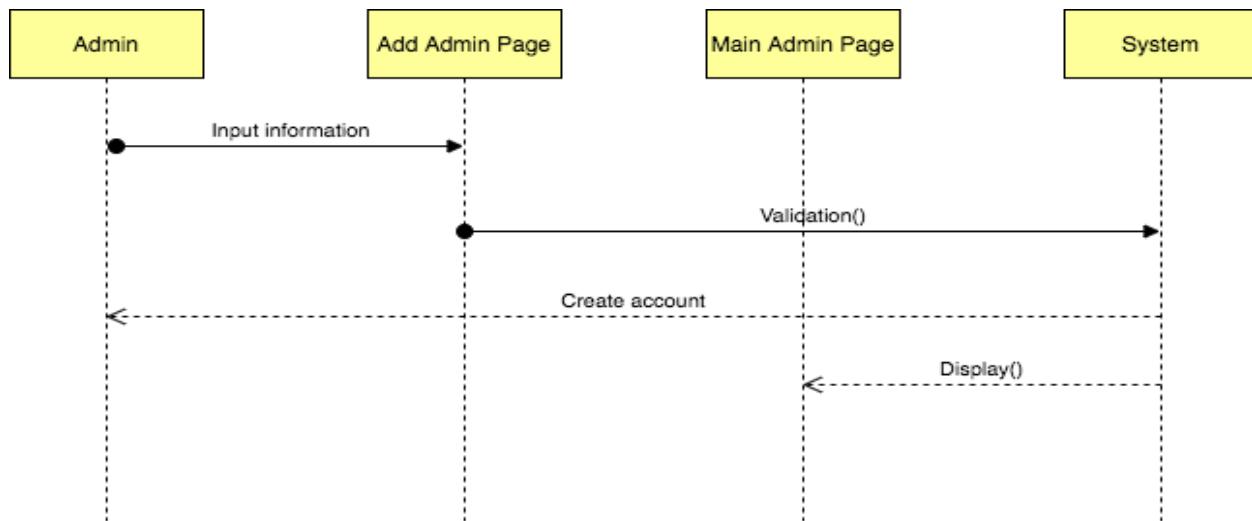


Author		
Use Case Name	Comment	
Actors	Members	
Description	Customers want to comment for products , if commented, they can view their comment and can update comment.	
Requirements	Login as member	
	Actor Actions	System Responses
Basic flow	1. Clicks comment button to comment for products and clicks on Submit/Update button	2. System search in comment table to find record contains current productID: + if found, update the value of current comment to new comment. + else, create new record with the current productID and comment values 3. Display SingleProduct Page.

3. Admin:

3.1. Manage Accounts

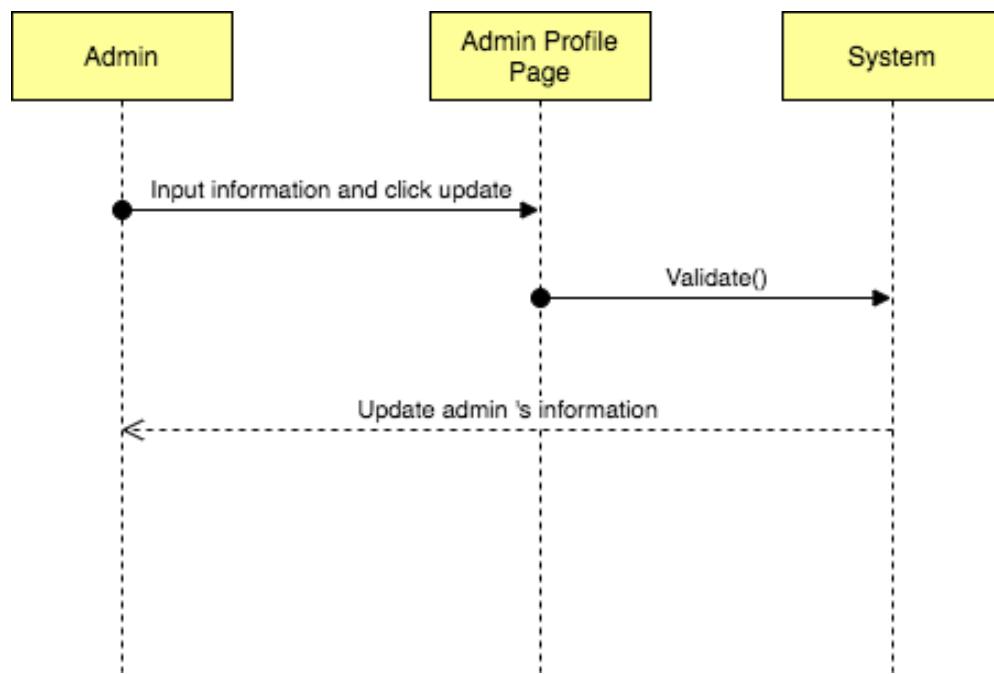
3.1.1. Create New Account



Author	All member	
Use Case Name	Manage admin account - Add	
Actors	Admins	
Description	Admins with Manager role can add new admin accounts for new store 's staffs	
Requirement	Login as admin with Manager role	
	Actor Actions	System Responses
Basic flow	1. Input information to these fields : Email, Full Name, Admin Role, and choose an avatar. Then clicks on Create button	2. System check the information [Exception] 3. Create admin account 4. Display Main Admin page.
Exception	[Exception 1] 1. Actor left Full Name blank 2. Actor left Email blank. Email is in wrong format.	Display error message : - "Full Name can not be blank". - "Email can not be blank". - "Email is in wrong format".

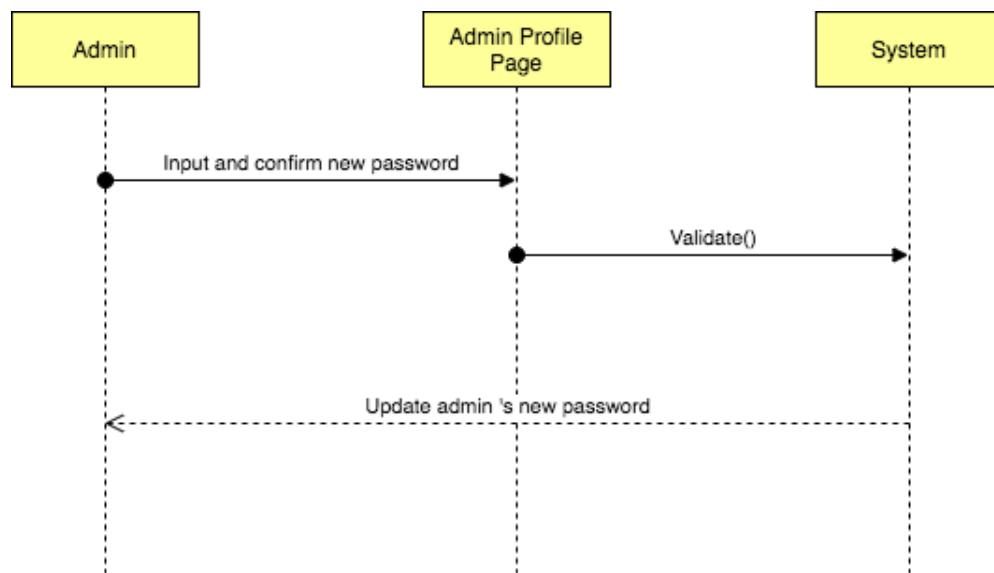
3.1.2. Update Account Information

3.1.2.1. Update Information



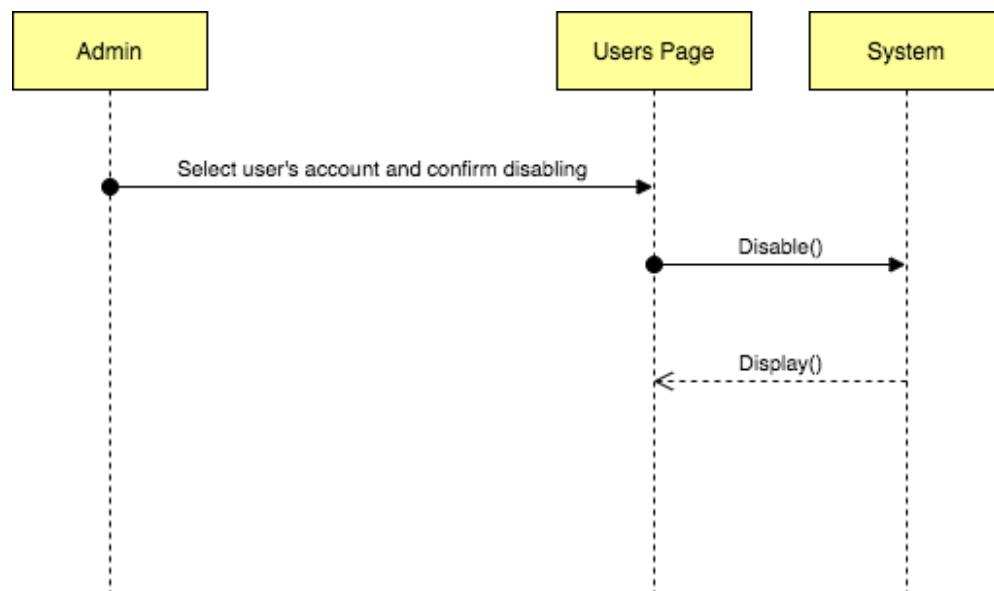
Author	All members	
Use Case Name	Update information.	
Actors	Admins	
Description	Admins change their private information	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1. Actors change full name, if login as Manager role, admins can change Admin role	2. System check information [Exception 1] 3. Update new information to data in Admins table.
Exception	[Exception 1] 1. Actor left Full Name blank	Display error message : 1. "Full Name can not be blank".

3.1.2.2. Change Password



Author	All members	
Use Case Name	Update information – Change password	
Actors	Admins	
Description	Admins change their registered password	
Requirements	Login as Admin	
	Actor Actions	System Responses
Basic flow	1. Input Old Password, New Password and Confirm.	2. Check information [Exception 1] 3. Update New Password into Admins Table.
Exception	[Exception 1] 1. Old Password is wrong. 2. New Password length is less than 3. 3. Confirm Password does not match with New Password	Display error message : - “Old Password is wrong” - “New Password length is less than 3”. - “Confirm Password does not match with new Password.”

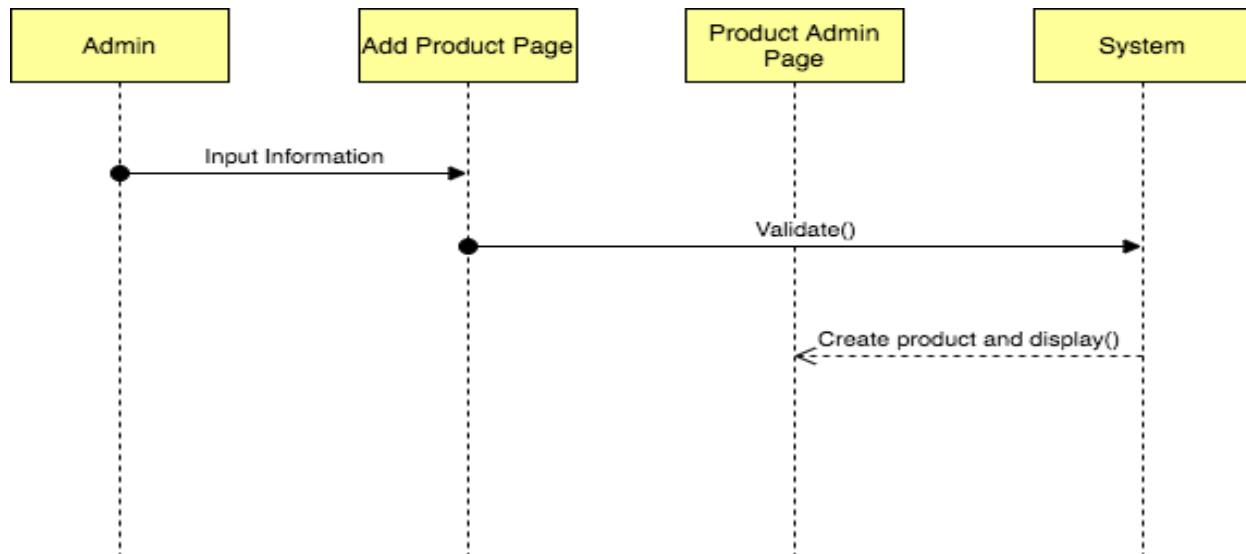
3.1.3. Disable User's Account



Author	All members	
Use Case Name	Disable User 's account	
Actors	Admins	
Description	Admin disable existed user 's account.	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1.Click on Disable button. 3.Click on "Yes" to confirm disabling. 5.Click on "No" to cancel disabling.	2.Display 2 button : "Yes" and "No". 4.Change status value of chosen account from Accounts table. 6.Hide the 2 buttons. 7.Display Accounts Page.

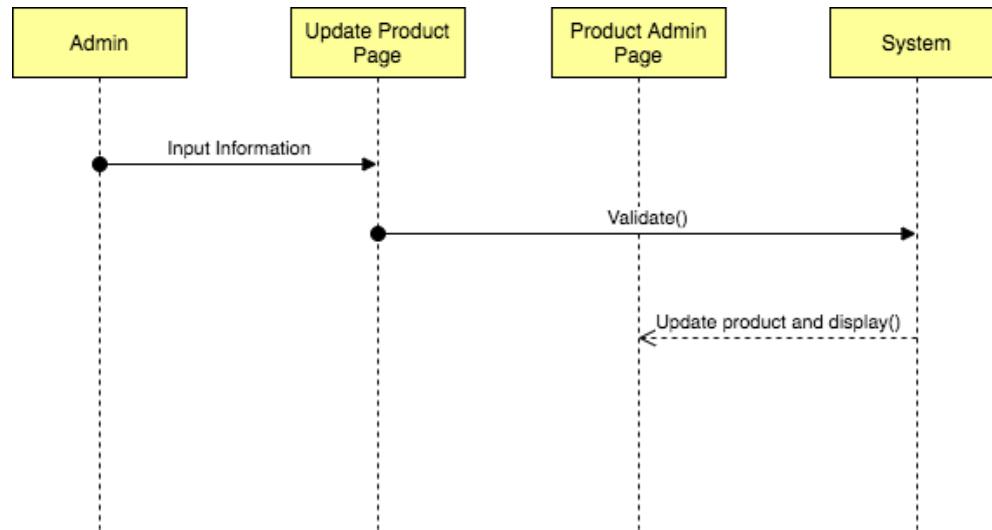
3.2. Manage Products

3.2.1. Create New Product



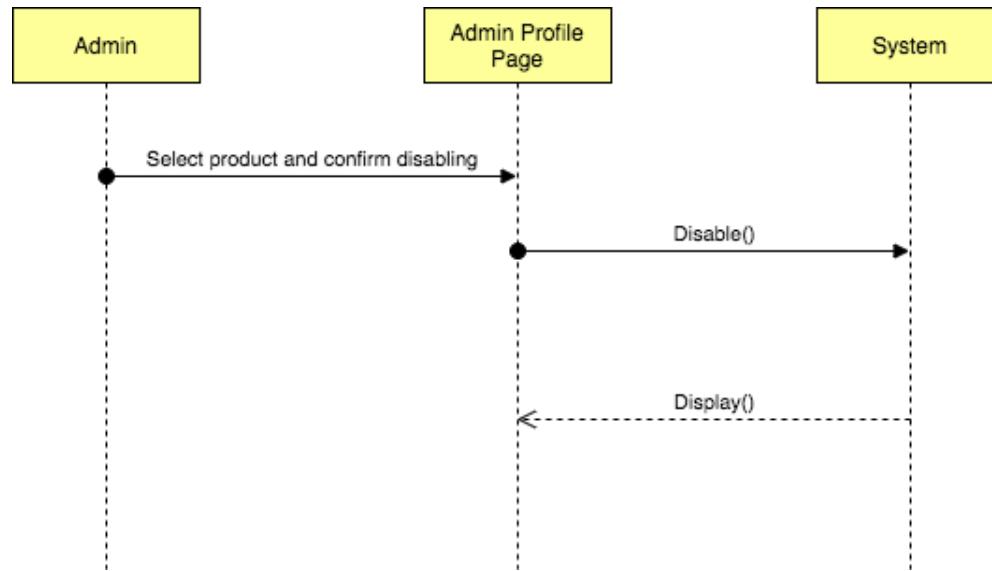
Author	All members	
Use Case Name	Manage Products - Insert	
Actors	Admin	
Description	Admin insert new products	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1. Input information to input fields : Product Name, Price, Category, Type, Brand, Images, Description and features. Then click on Insert button.	2. System check the information [Exception 1] 3.Create new product in database. 4. Display Product Admin Page.
Exception	[Exception 1] 1.Actor left Product Name blank. 2.Actor left Price blank 3.Actor left Description blank.	Display error message : -“ Product Name can not be blank”. -“Price can not be blank”. -Description can not be blank”.

3.2.2. Update Product



Author	All members	
Use Case Name	Manage Products – Update	
Actors	Admins	
Description	Admin update existed product 's information.	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1.Input information to fields : Product Name, Price, Category, Type, Brand, Image, Description and features. Then click on Update button	2.System check the information [Exception 1] 3.Update information in database. 4.Display Product Admin Page
Exception	[Exception 1] 1.Actor left Product Name blank. 2.Actor left Price blank. 3.Actor left Description blank.	Display error message : -“ Product Name can not be blank”. -“Price can not be blank”. -Description can not be blank”.

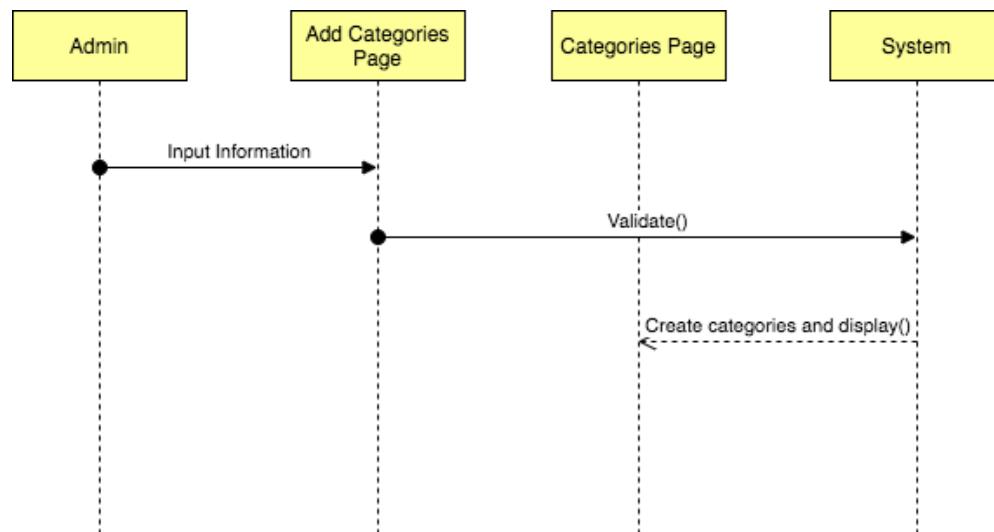
3.2.3. Disable Product



Author	All members	
Use Case Name	Manage Products – Disable	
Actors	Admins	
Description	Admins disable existed products	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1. Click on Disable button. 3. Click on “Yes” to confirm disabling. 5. Click on “No” to cancel disabling.	2. Display 2 button : “Yes” and “No”. 4. Change status value of chosen product from Products table. 6. Hide the 2 buttons. 7. Display Product Admin Page.

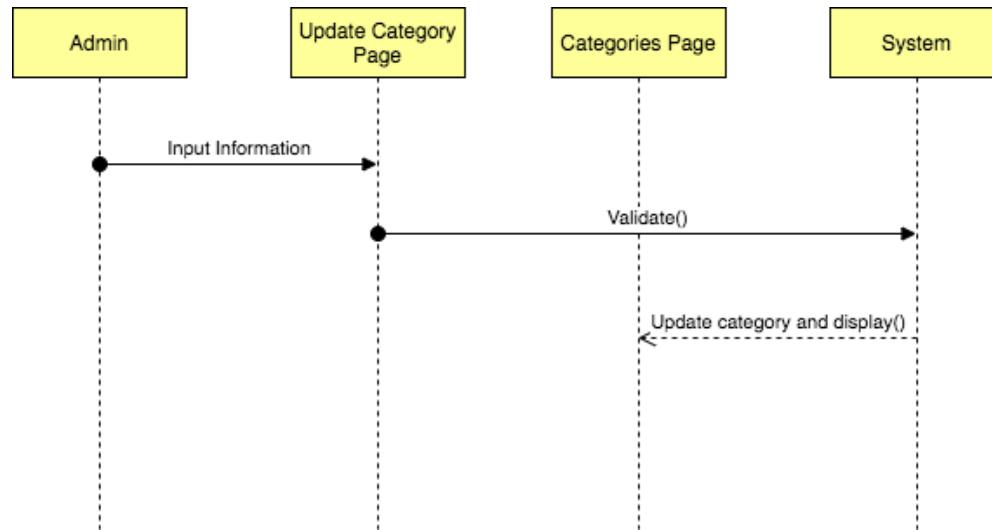
3.3. Manage Categories

3.3.1. Create New Category



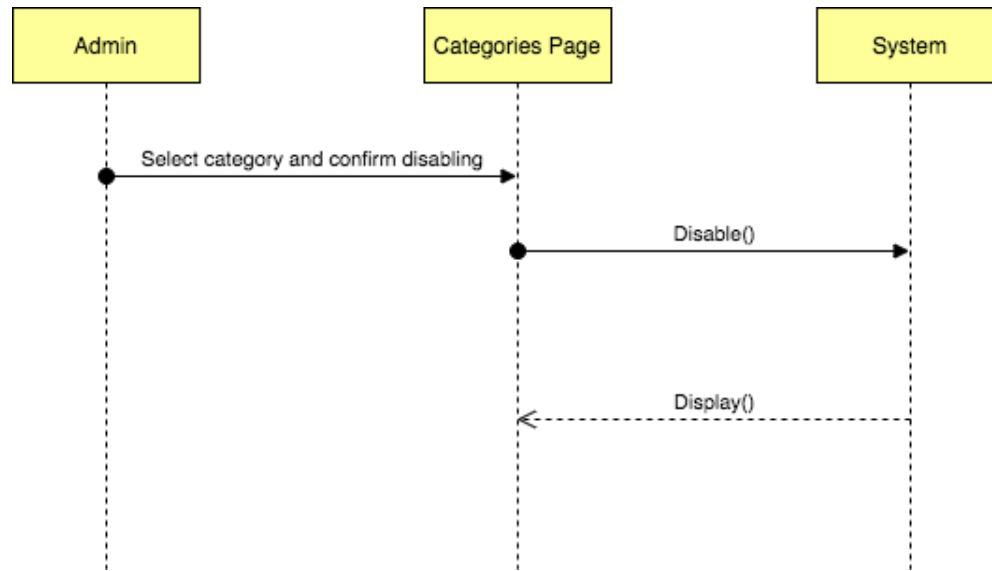
Author	All members	
Use Case Name	Manage Categories- Insert	
Actors	Admins	
Description	Admin insert new categories	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1. Input information to fields : Category Name and image. Then click on Insert button	2. System check the information [Exception 1] 3. Create new category in database. 4. Display categories page.
Exception	[Exception 1] 1. Actor left Category Name Blank	Display error message : -“Category Name can not be blank”.

3.3.2. Update Category



Author	All members	
Use Case Name	Manage Categories – Update	
Actors	Admins	
Description	Admins update existed categories 's information	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1.Input information to fields : Category Name and image. Then click on Update button	2.System check the information [Exception 1] 3.Update existed category in database. 4.Display Categories page.
	[Exception 1] 1.Actor left Category Name Blank	Display error message : -“Category Name can not be blank”.

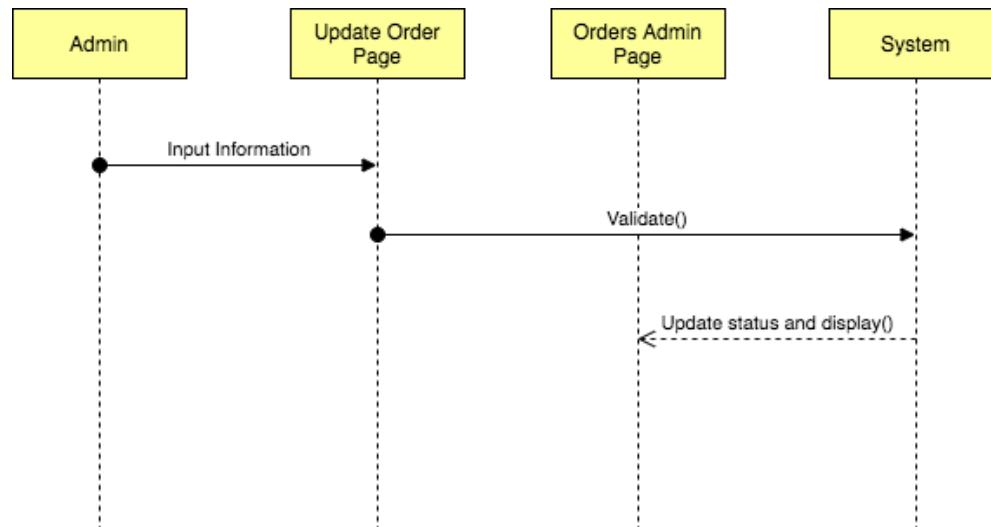
3.3.3. Disable Category



Author	All members	
Use Case Name	Manage Categories – Disable	
Actors	Admins	
Description	Admins disable existed categories	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1. Click on Disable button. 3. Click on “Yes” to confirm disabling. 5. Click on “No” to cancel disabling.	2. Display 2 button : “Yes” and “No”. 4. Change status value of chosen product from Categories table. 6. Hide the 2 buttons. 7. Display Categories Page.

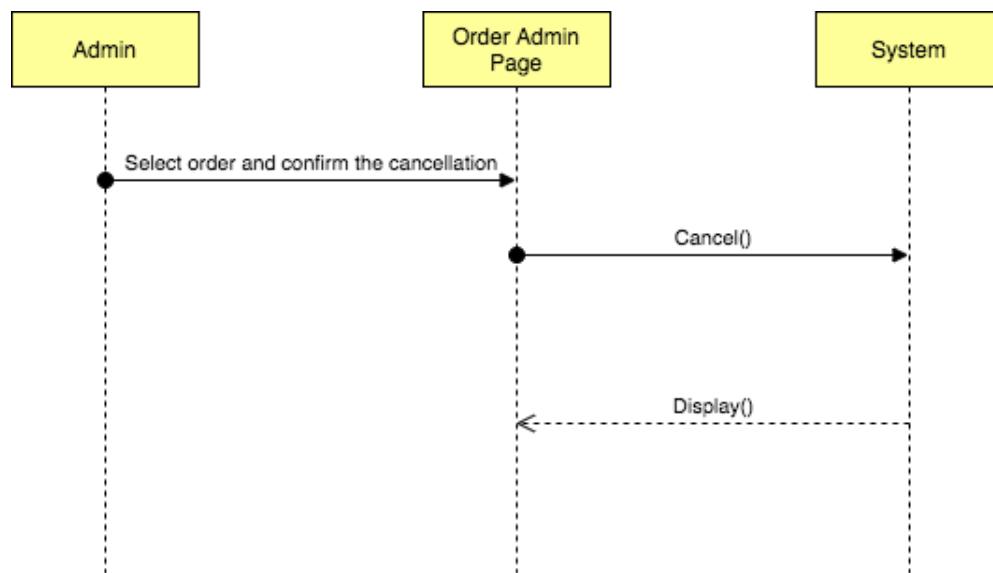
3.4. Manage Orders

3.4.1. Change Order's Status



Author	All members	
Use Case Name	Manage Order – Change order 's status	
Actors	Admins	
Description	Admins update order 's status	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	2. Select new value in dropdown list : Process Status. Then click on Update button.	1. System only display possible value base on current value in dropdown list for Admins to select : +Current : "Processing" => Display : "Shipping", "Payment" and "Completed" +Current : "Shipping" => Display : "Payment" +Current : "Payment" => Display : "Completed" +Current: "Completed" => Disable dropdown list and Update button. 3. Update existed order in database. 4. Display Orders Admin page.

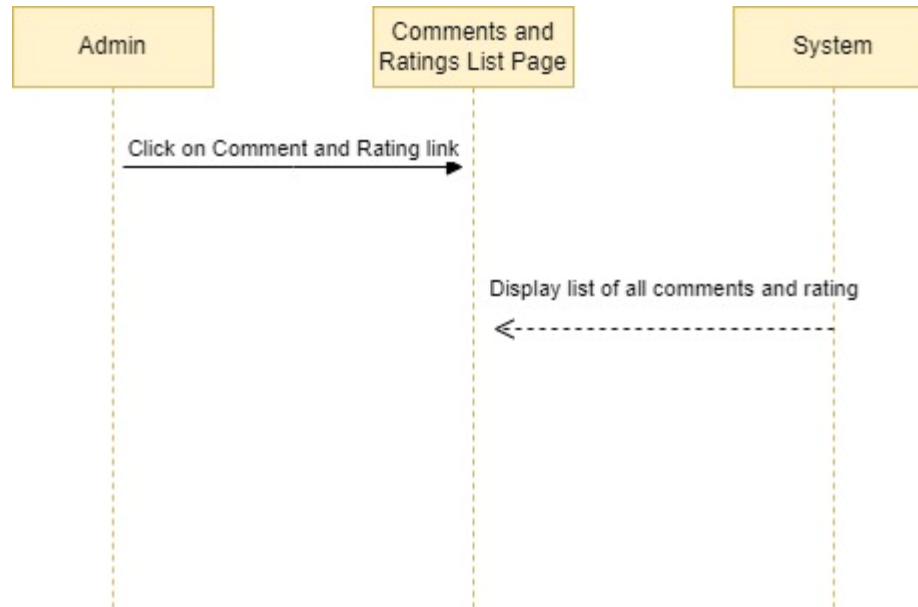
3.4.2. Cancel Order



Author	All members	
Use Case Name	Manage Orders – Cancel	
Actors	Admins	
Description	Admins cancel orders	
Requirements	Login as admin	
Pre- conditions	Process Status is not “Completed”	
	Actor Actions	System Responses
Basic flow	2.Click on Cancel button. 4.Click on “Yes” to confirm canceling. 6.Click on “No” to stop canceling.	1.If Process Status is “Completed”, disable “Cancel” button. 3.Display 2 buttons: “Yes” and “No”. 5.Change status value of chosen order from Orders table. 7.Hide the 2 buttons. 8.Display Orders Admin Page.

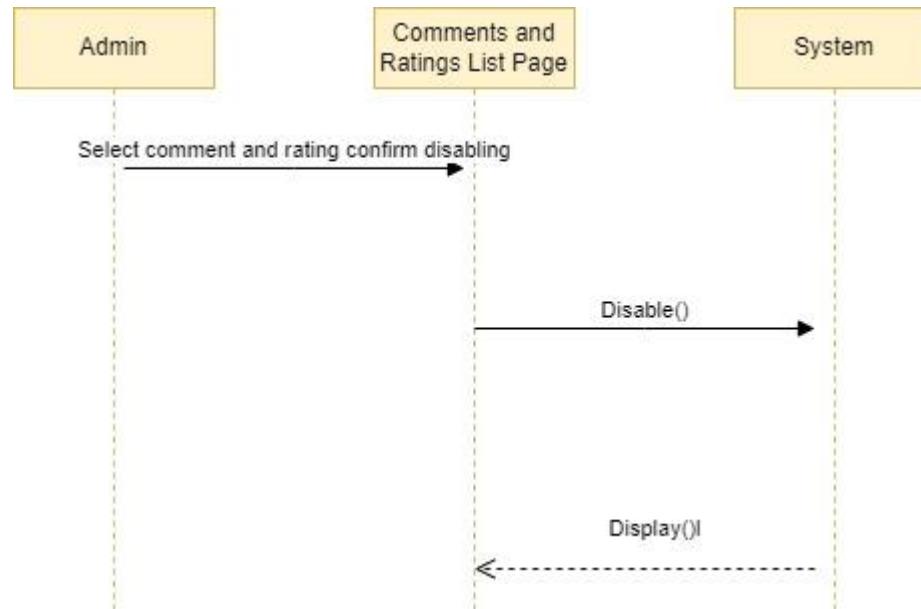
3.5. Manage Comments and Ratings

3.5.1. View Comments and Ratings List



Author		
Use Case Name	View comments and ratings list	
Actors	Admin	
Description	When admin want to view comments and ratings list	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks on link Manage Comment and Rating on dashboard	2. Display all list of comments and ratings

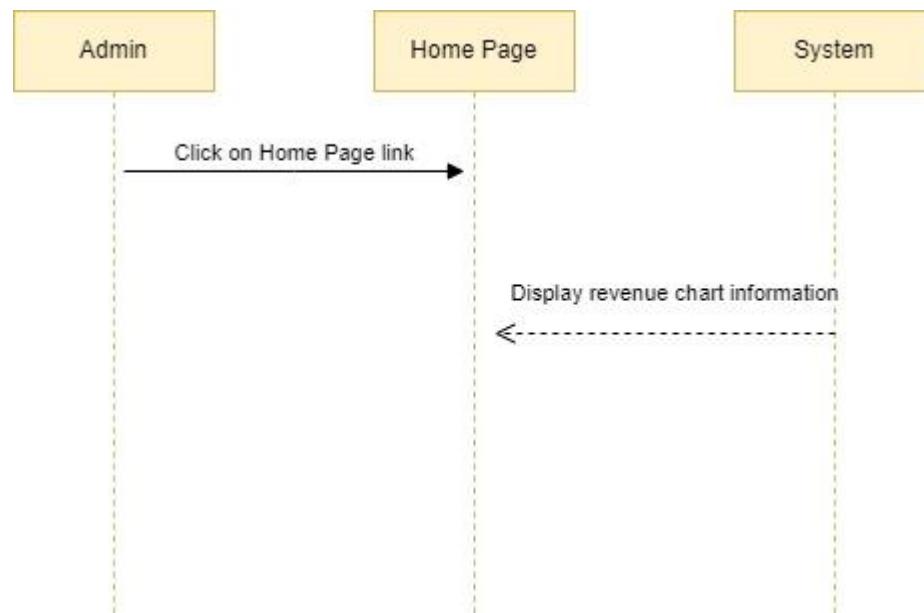
3.5.2. Disable a Comment and Rating



Author		
Use Case Name	Manage Comments and Rating – Disable	
Actors	Admin	
Description	Admins disable existed comment and rating	
Requirements	Login as admin	
	Actor Actions	System Responses
Basic flow	1.Click on Disable button. 3.Click on “Yes” to confirm disabling. 5.Click on “No” to cancel disabling.	2.Display 2 button : “Yes” and “No”. 4.Change status value of chosen comment and rating from Comments and Ratings list. 6.Hide the 2 buttons. 7.Display Comments and Ratings Manage Page.

3.6. Manage Reports

3.6.1. View Revenue of Shop



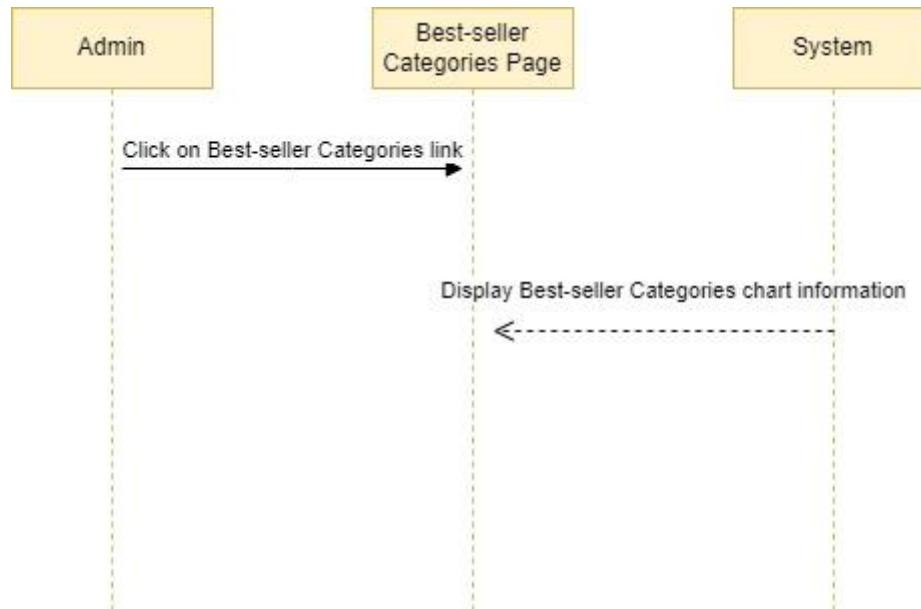
Author		
Use Case Name	View Revenue	
Actors	Admin	
Description	When admin want to view revenue of shop	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks on link HomePage on dashboard	2. Display revenue of Shop

3.6.2. View Report of Best-Seller Products



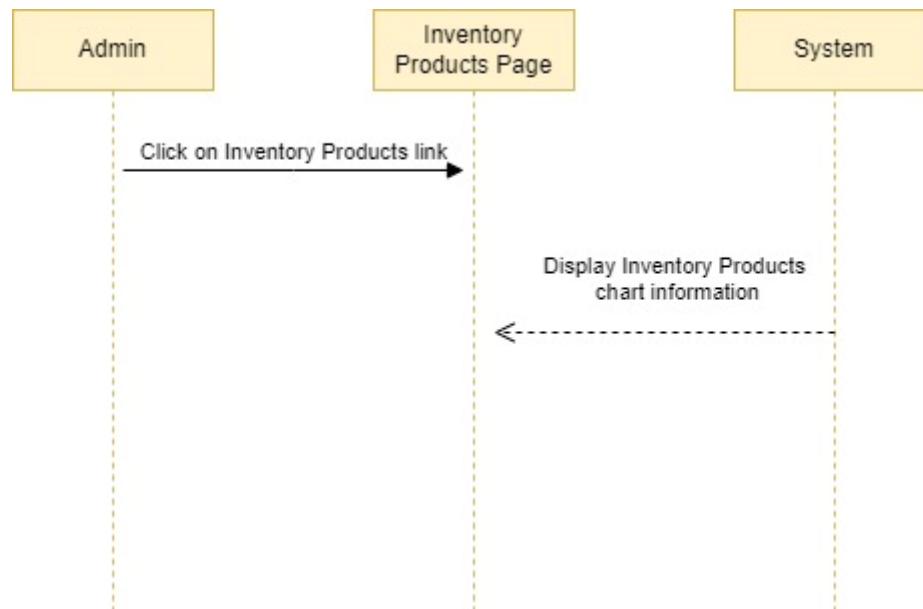
Author		
Use Case Name	View Best Seller Products	
Actors	Admin	
Description	When admin want to view Best Seller Products of shop	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks on link Best Seller Products on dashboard	2. Display View Best Seller Products chart of Shop

3.6.3. View Report of Best-Seller Categories



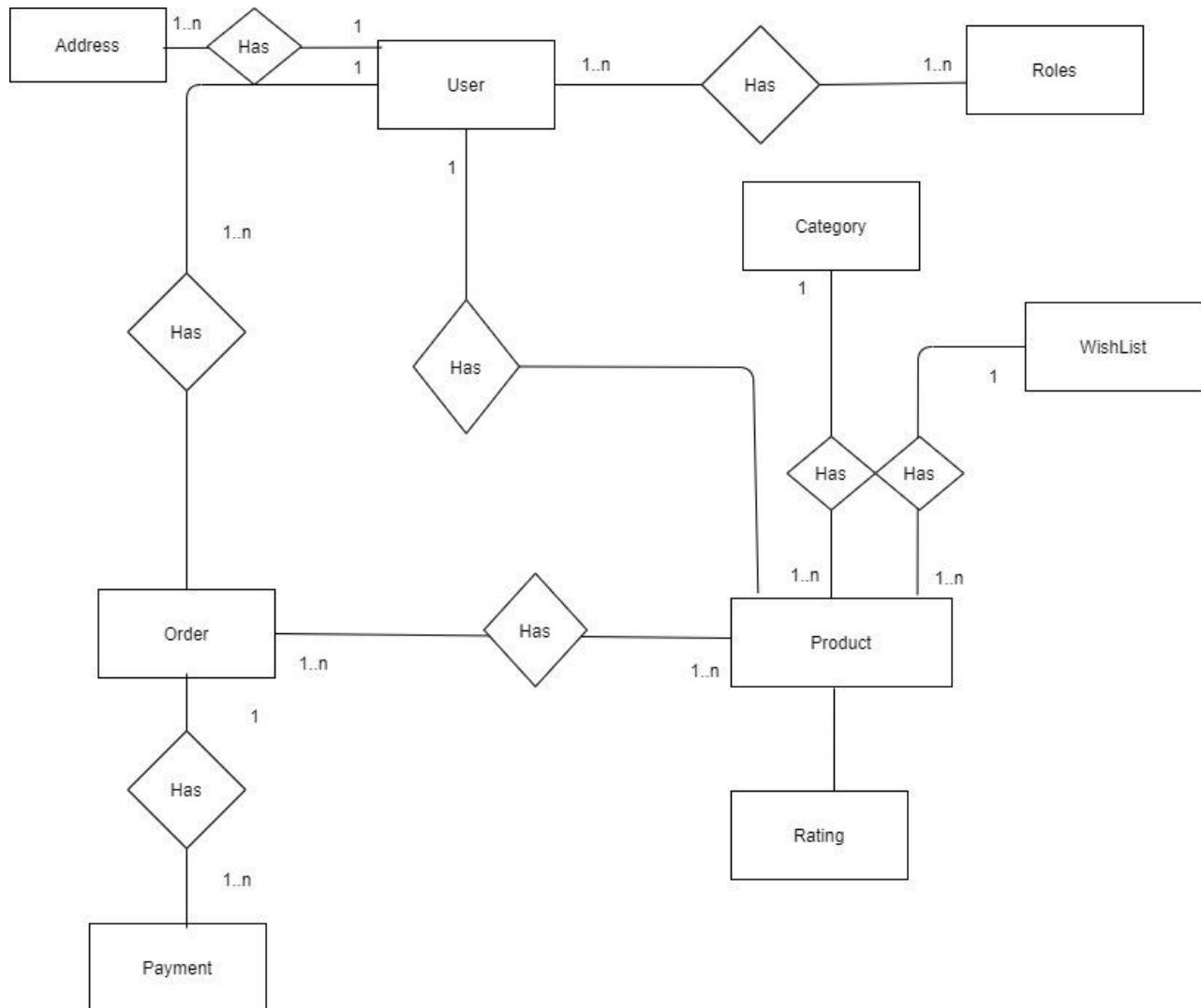
Author		
Use Case Name	View Best Seller Categories	
Actors	Admin	
Description	When admin want to view Best Seller Categories of shop	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks on link Best Seller Categories on dashboard	2. Display Best Seller Categories chart of Shop

3.6.4. View Report Inventory Products



Author		
Use Case Name	View Inventory Product	
Actors	Admin	
Description	When admin want to view Inventory Product of shop	
Requirements		
	Actor Actions	System Responses
Basic flow	1. Clicks on link Inventory Product on dashboard	2. Display Inventory Product chart of Shop

VIII. Entity Relationship Diagram(ERD Concept)



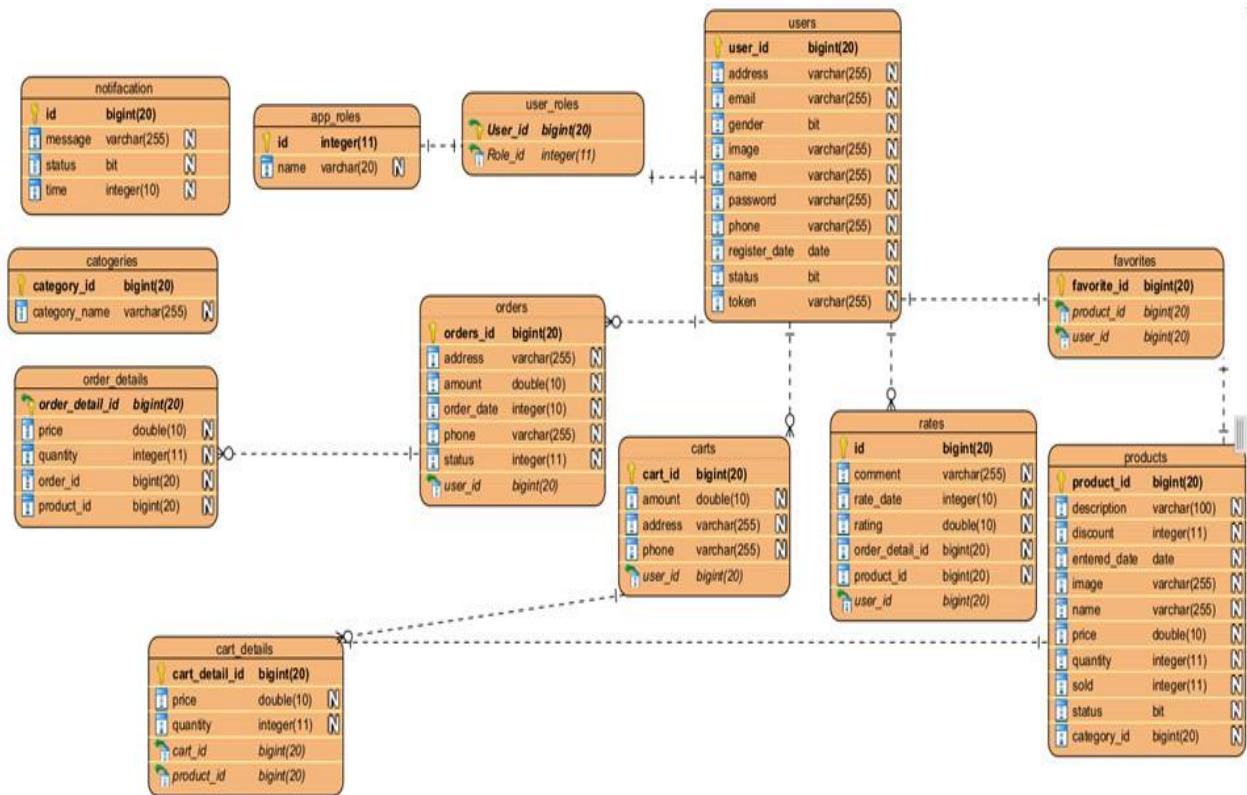
Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:				
St. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status	
1	Use Case Diagram	Smart Shop	Dang Ngoc Minh Triet	23/09/2023	1	All member	Completed	
2	Sequence Diagram			24/09/2023	1	All member	Completed	
3	ERD Concept			25/09/2023	1	All member	Completed	
4	Task sheet review			25/09/2023	1	Triet	Completed	
Date: 23/09/2023								
Signature of Instructor: Mr. Hoang Duc Quang		Signature of Team Leader: Dang Ngoc Minh Triet						

TASK SHEET REVIEW 2

REVIEW 3

IX. Database Design

1. Entity Relationship Diagram



2. Schema Overview

STT	Name	Description
1	app_roles	List all role use in Spring Security
2	users	List all account use in system
3	user_roles	List all role use in system
4	categories	List all Category use in system
5	products	List all Product use in system
6	carts	List all Cart of Users
7	cart_details	Cart Detail
8	orders	List all Order of Users
9	order_details	Order Detail
10	favorites	List all Favorite Products of Users
11	rates	List all Comment and Rating of Users
12	notification	List all Notification use in system

3. Detail Schema

3.1.app_roles

app_roles						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	Id	int(11)		Store ID of App Role
2		Yes	Name	varchar(20)		Store Name of App Role

3.2.users

users						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	user_id	bigint(20)		Store ID of User
2		Yes	address	varchar(255)		Store Address of User
3		Yes	email	varchar(255)		Store Email of User
4		Yes	gender	bit(1)		Store Gender of User
5		Yes	image	varchar(255)		Store Image of User
6		Yes	name	varchar(255)		Store Name of User
7		Yes	password	varchar(255)		Store Password of User
8		Yes	phone	varchar(255)		Store Phone of User
9		Yes	register_date	date		Store Register Date of User
10		Yes	status	bit(1)		Store Status of User
11		Yes	token	varchar(255)		Store token of JWT

3.3.user_roles

user_roles						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	user_id	bigint(20)	users(user_id)	ID of User
2	PK	No	role_id	int(11)	app_roles(id)	ID of App Role

3.4.categories

categories						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	category_id	bigint(20)		Store ID of Category
2		Yes	category_name	varchar(255)		Store Name of Category

3.5.products

products						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	product_id	bigint(20)		Store ID of Product
2		Yes	description	varchar(1000)		Store Description of Product
3		No	discount	int		Store Discount of Product
4		Yes	entered_date	date		Store Entered Date of Product
5		Yes	image	varchar(255)		Store Image of Product
6		Yes	name	varchar(255)		Store Name of Product
7		Yes	price	double		Store Price of Product
8		No	quantity	int(11)		Store Quantity of Product
9		No	sold	int(11)		Store Sold Amount of Product
10		Yes	status	bit(1)		Store Status of Product
11	FK	Yes	category_id	bigint(20)	categories(category_id)	ID of Category

3.6.carts

carts						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	cart_id	bigint(20)		Store ID of Cart
2		Yes	amount	double		Store Amount of Cart
3		Yes	address	varchar(255)		Store Address of Receiver

4		Yes	phone	varchar(255)		Store Phone of Receiver
5	FK	Yes	user_id	bigint(20)	users(user_id)	User's ID of Orderer

3.7.cart_details

cart_details						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	cart_detail_id	bigint(20)		Store ID of Cart Detail
2		Yes	price	double		Store Price of Product in Cart
3		No	quantity	int(11)		Store Quantity of Product in Cart
4	FK	Yes	cart_id	bigint(20)	cart(cart_id)	ID of Cart
5	FK	Yes	product_id	bigint(20)	products(product_id)	ID of Product

3.8.orders

orders						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	order_id	bigint(20)		Store ID of Order
2		Yes	address	varchar(255)		Store Address of Receiver
3		Yes	amount	double		Store Amount of Order
4		Yes	order_date	datetime		Store Date of Order
5		Yes	phone	varchar(255)		Store Phone of Receiver
6		No	status	int(11)		Store Status of Order
7	FK	Yes	user_id	bigint(20)	users(user_id)	User's ID of Orderer

3.9.order_details

order_details						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	order_detail_id	bigint(20)		Store ID of Order Detail
2		Yes	price	double		Store Price of Product in Order

3		No	quantity	int(11)		Store Quantity of Product in Order
4	FK	Yes	order_id	bigint(20)	orders(order_id)	ID of Order
5	FK	Yes	product_id	bigint(20)	products(product_id)	ID of Product

3.10. favorites

favorites						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	favorite_id	bigint(20)		Store ID of Favorite Product
2	FK	Yes	product_id	bigint(20)	products(product_id)	ID of Product
3	FK	Yes	user_id	bigint(20)	users(user_id)	ID of User

3.11. rates

rates						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	id	bigint(20)		Store ID of Rate
2		Yes	comment	varchar(255)		Store Comment of User
3		Yes	rate_date	datetime		Store Date of Rate
4		Yes	rating	double		Store Rating of User
5	FK	Yes	order_detail_id	bigint(20)	order_details(order_detail_id)	ID of Order Detail
6	FK	Yes	product_id	bigint(20)	products(product_id)	ID of Product
7	FK	Yes	user_id	bigint(20)	users(user_id)	ID of User

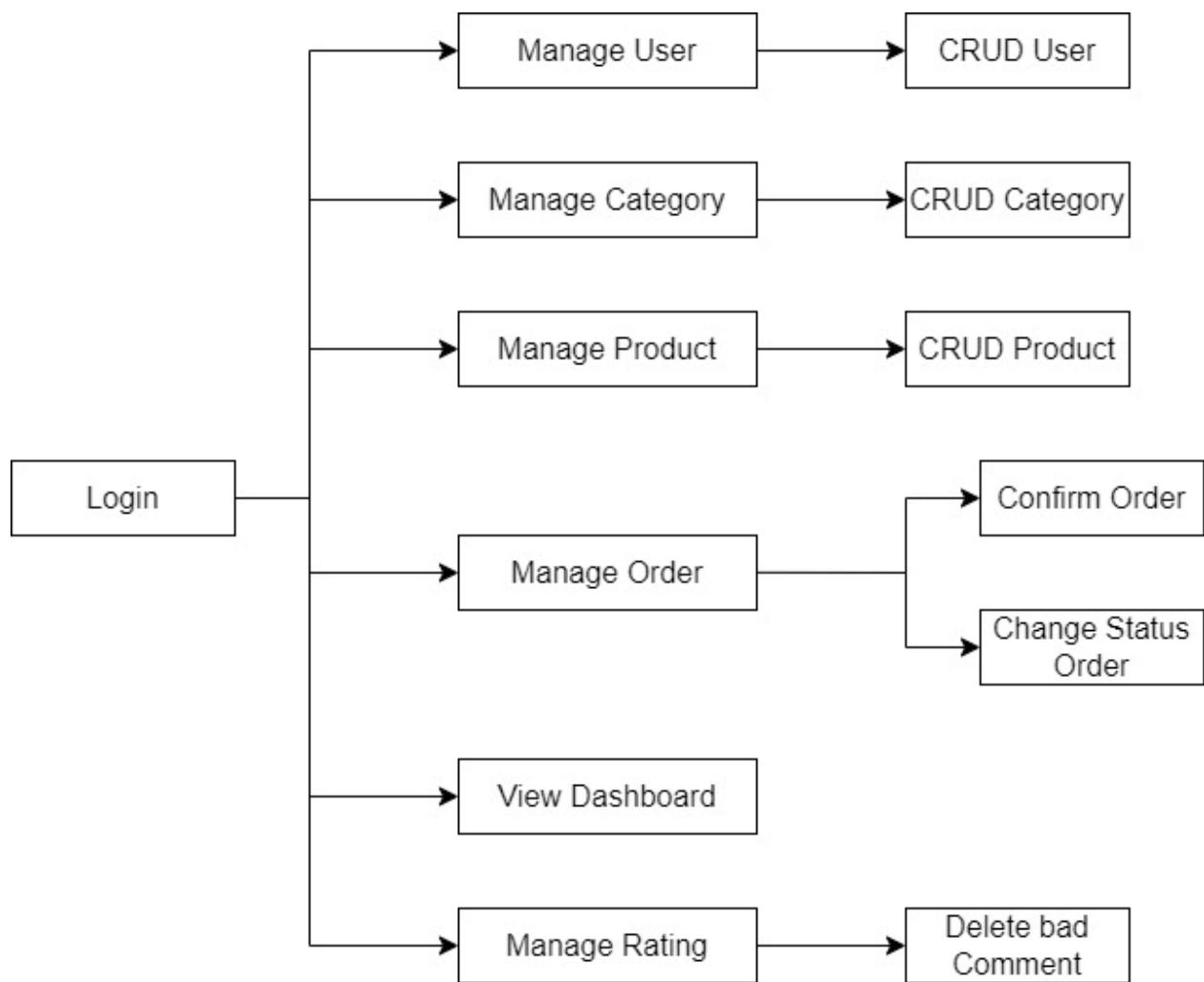
3.12. notification

notification						
No.	Key	Nullable	Field name	Type	Reference Table	Description
1	PK	No	id	bigint(20)		Store ID of Notification

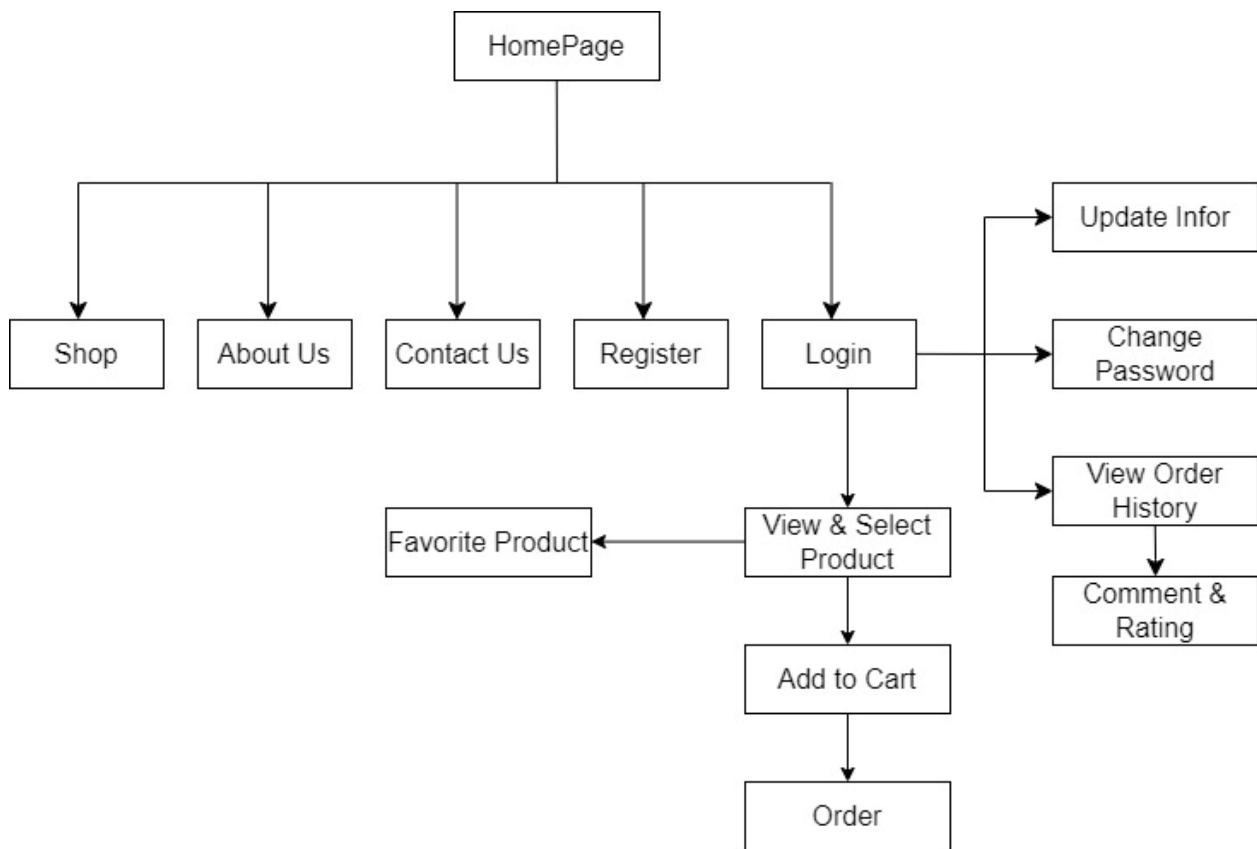
2		Yes	message	varchar(255)		Store Message of Notification
3		Yes	status	bit(1)		Store Status of Notification
4		Yes	time	datetime		Store Time of Notification

X. Sitemap

1. Admin Sitemap



2. Customer Sitemap



XI. Guide Design

1. Web App

1.1. Customer

1.1.1. Homepage

The screenshot displays the homepage of the SmartShop website. At the top, there is a yellow header bar with the SmartShop logo, a search bar, and user account icons. Below the header, a main banner features a bedroom interior with a bed, a lamp, and a wooden chair, advertising a 'SCANDINAVIAN COLLECTION FOR YOUR BEDROOM JUST \$599'. To the right of this banner is a promotional box for 'Unio Leather Bags' with a 20% discount offer. Further down, another section highlights 'iPhone 6+ 32Gb' with a 40% discount. The middle section of the page contains five service promises: Free Shipping, 90 Days Return, Safe Payment, Support 24/7, and Gift Service, each accompanied by an icon and a brief description. Below this is a grid of three product cards: 'Acher Fluence Minimal Speaker' (40% off), 'WOODEN MINIMALISTIC CHAIRS' (SALE UP TO 40% OFF), and 'IQOS 2.4 HOLDER & CHARGER' (PRICE \$105.50). The bottom section is titled 'Trending Products' and shows a row of six products: two watches (Duo EL073-SV/EL073-BG Watch Set for \$860.00), two laptops (Dell Inspiron 15 3511 (i5/8GB/4GB/256GB) for \$1,030.00 and Acer Nitro 5 AN515-55-525P Gaming Laptop for \$1,000.00), a ThinkBook 14p G2 ACI RS (500DH/16GB/512GB/Wm11) for \$1,260.00, a Lenovo Yoga Duet 7 (13IIL6 i5) for \$1,200.00, a Phone 13 Pro Max 512GB for \$1,250.00, and a Phone 13 Pro 128GB for \$1,350.00.

Best-selling Products**New Products****FABRIC BED
DISCOUNT 25% OFF**

Strong mattress supports with 10 wood slats prevents sagging and increases mattress life.

\$200.00
\$219.05

[Shop Now](#)

**iPhone X 128GB**

Retina Display

Discount 25% Off

[Shop Now](#)

**NEWS**

Register To Receive Information About Products & Discount Coupons

Email Address...

[SUBSCRIBE](#)

CONTACT US

Hotline 24/7

1800 979769

590 CMT8 Str, Ward 11, Dist 3, Ho Chi Minh

**QUICK LINKS**

Policies

Terms & Conditions

Shipping

Return & Refund

FAQs

COMPANY

About Us

Mission & Vision

Career

Contact Us

BUSINESS

Tracking Your Order

Payment Methods

Coupons

Shop Branch

1.1.2. Shop(Product Gallery)

The screenshot shows the product gallery page of the SmartShop website. At the top, there's a yellow header bar with the SmartShop logo, a search bar, and user icons for heart, cart, and profile. Below the header, a navigation bar includes 'HOME', 'SHOP' (which is active), 'ABOUT US', 'CONTACT US', and 'LOGIN & REGISTER'. A breadcrumb trail 'Home / Shop' is visible.

CATEGORY

- Mobile
- Laptop
- Electric Appliances
- Watch
- Television

WORKING TIME ☺

Mon 2: 8:00 am - 6:00 pm	Tue 3: 8:00 am - 6:00 pm	Wed 4: 8:00 am - 6:00 pm	Thu 5: 8:00 am - 6:00 pm	Fri 6: 8:00 am - 6:00 pm
------------------------------------	------------------------------------	------------------------------------	------------------------------------	------------------------------------

Show 1-12 in total 54 product

All products

MOBILE iPhone 12 Pro Max 512GB \$1,250.00	MOBILE iPhone 12 Pro 512GB \$1,200.00	MOBILE iPhone 13 512GB \$1,419.00	MOBILE iPhone 13 Pro Max 1TB Green \$1,599.00
MOBILE iPhone 13 Pro 256GB Gold \$1,450.00	MOBILE iPhone 13 Pro Max 512GB \$1,500.00	MOBILE iPhone 13 Pro Max 512GB Green \$1,500.00	MOBILE iPhone 13 Pro 128GB \$1,350.00
MOBILE iPhone 11 64GB \$650.00	MOBILE iPhone 11 128GB \$750.00	MOBILE iPhone 12 mini 64GB \$500.00	MOBILE iPhone 12 mini 128GB \$550.00

« 1 2 3 4 5 »

NEWS

Register To Receive Information About Products & Discount Coupons

Email Address...

SUBSCRIBE

CONTACT US

Hotline 24/7

1800 979769

590 CMT8 Str, Ward 11, Dist 3, Ho Chi Minh



QUICK LINKS

Policies
Terms & Conditions
Shipping
Return & Refund
FAQs

COMPANY

About Us
Mission & Vision
Career
Contact Us

BUSINESS

Tracking Your Order
Payment Methods
Coupons
Shop Branch

1.1.3. About Us



WELCOME TO SMART SHOP

We connect millions of buyers and sellers around the world, empower individuals, and create economic opportunities for everyone.



45M



1.8M



30.6M



\$2.46M

Products to sell

The sellers are actively operating on our platform.

The buyers are actively operating on our platform.

The annual total revenue of goods.

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1.1.4. Contact Us



Have Any Question? We'd Love To Hear From You

Contact Directly

(+004) 010-3546-07

Head Quarter

590 CMT8 Str, Ward 11, District 3, Ho Chi Minh City

Work With Us

Send your CV to our email:

Customer Service

(800) 645-3446

Media Contact

(801) 947-3564

Supplier Support

(801) 947-3100

CONTACT US

Name *	Email *
Title *	
Message...	
SEND	

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Coupons
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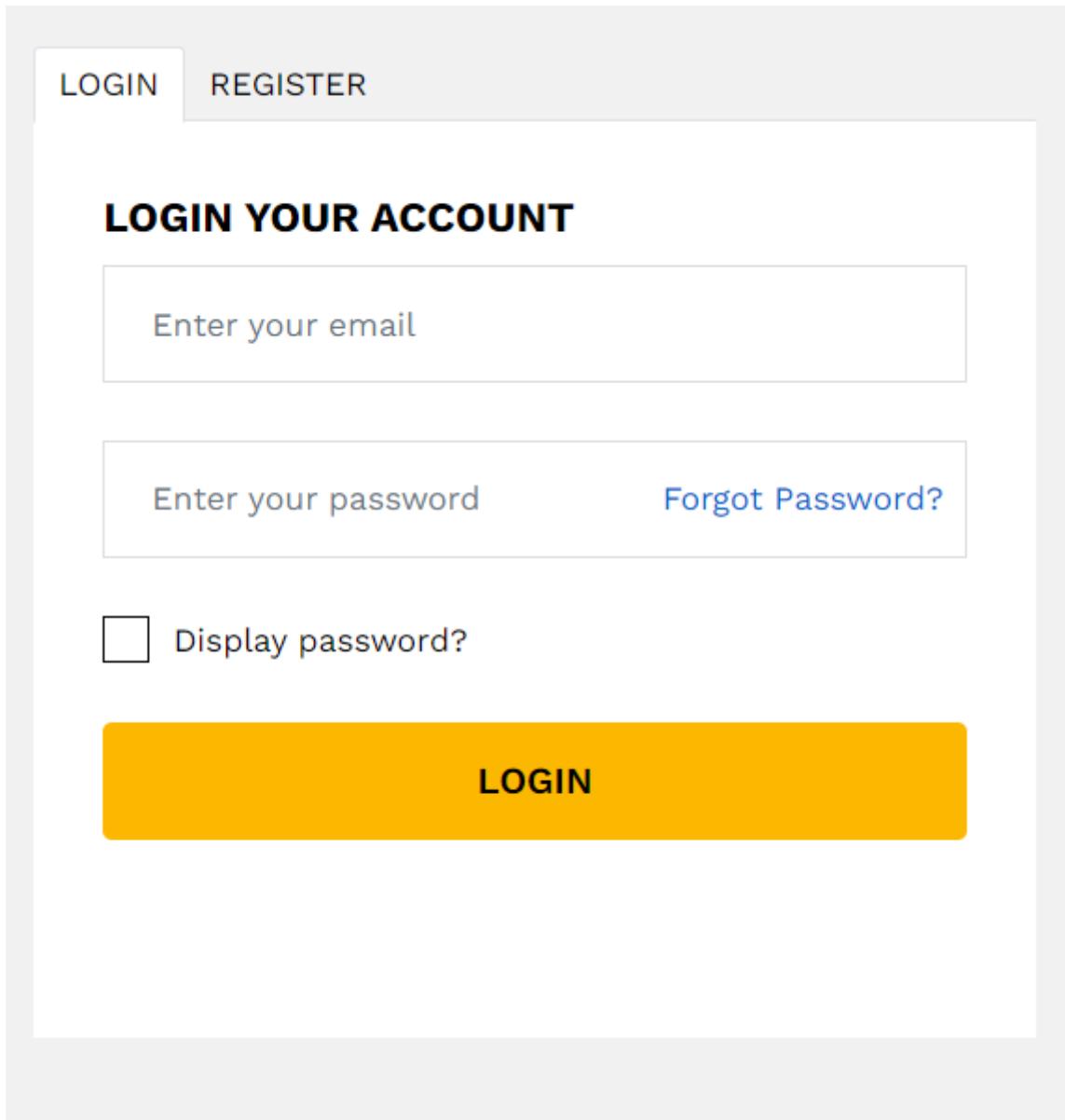
©2023 SmartShop. Copyrights Reserved.

We use secure payment methods for:



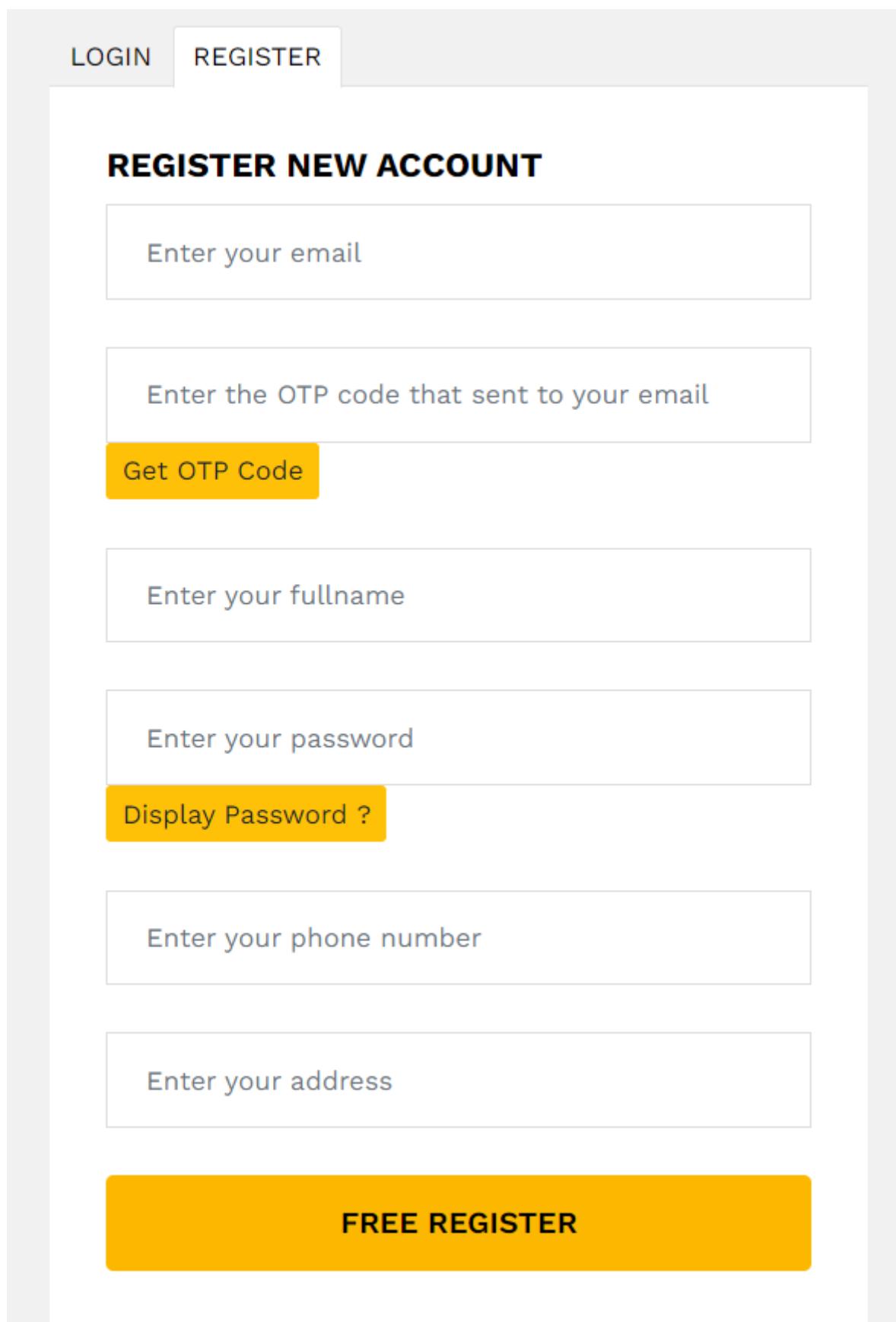
1.1.5. Login & Register

1.1.5.1. Login



The screenshot shows the login page of a web application. At the top, there are two buttons: "LOGIN" on the left and "REGISTER" on the right. Below them, the title "LOGIN YOUR ACCOUNT" is displayed in bold capital letters. There are two input fields: the first is labeled "Enter your email" and the second is labeled "Enter your password". To the right of the password field is a blue link "Forgot Password?". Below these fields is a checkbox labeled "Display password?" with the text "Display password?" in red. At the bottom is a large yellow button with the word "LOGIN" in white capital letters.

1.1.5.2. Register



The image shows a registration form for a Smart Shop application. At the top, there are two buttons: "LOGIN" and "REGISTER". The "REGISTER" button is highlighted with a yellow background. Below the buttons, the title "REGISTER NEW ACCOUNT" is displayed in bold black text. The form consists of several input fields and a large yellow "FREE REGISTER" button at the bottom.

REGISTER NEW ACCOUNT

Enter your email

Enter the OTP code that sent to your email

Get OTP Code

Enter your fullname

Enter your password

Display Password ?

Enter your phone number

Enter your address

FREE REGISTER

1.1.6. Information Management**1.1.6.1. Update Information**

EDIT PERSONAL INFORMATION

Name

Nguyen Mau Linh

Avatar

Email

diepmocphong@gmail.com

Address

345 Vo Van Ngan

Choose Image

Browse

Phone Number

0935476003

Gender

Male

UPDATE

1.1.6.2. Change Password

CHANGE PASSWORD

Press change password button, We will send a link to change password to your email.

diepmocphong@gmail.com

CHANGE NEW PASSWORD

CHANGE YOUR PASSWORD

New Password *

Confirm Password *

CHANGE PASSWORD

1.1.7. Detail Product

The screenshot shows a product detail page for the iPhone 13 512GB. At the top, there's a navigation bar with the SmartShop logo, a search bar, and user icons. Below the header, a breadcrumb trail shows 'Home / Shop / Product detail'. The main content area features a large image of the iPhone 13 in blue, followed by its name and price (\$1,419.00). A 'Category: MOBILE' label is present. A detailed product description highlights the design improvements over the iPhone 12. An 'ADD TO CART' button and a '0 like' counter are visible. To the right, there's a sidebar with shipping information, a 'Sell on SmartShop? Contact Us Now!' link, and a promotional box for the iPhone 6+ 32Gb with a 40% off discount. Below the main content, there's a 'COMMENTS' section with one user review and a 'RELATED PRODUCTS' section showing other iPhone models.

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About Us
Mission & Vision
Career
Contact Us

BUSINESS

Tracking Your Order
Payment Methods
Coupons
Shop Branch

1.1.8. Favorite

The screenshot shows the header of the SmartShop website. It features a yellow header bar with the "SMARTSHOP" logo on the left. A search bar with the placeholder "Search Product By Name..." is in the center. On the right side, there are three icons: a heart with a '3' notification, a shopping bag with a '0' notification, and a user profile icon.

Below the header, a navigation bar includes links for "CATEGORIES", "HOME", "SHOP", "ABOUT US", and "CONTACT US". A breadcrumb navigation path "Home / Shop / Favorite list" is visible at the bottom of the header area.

MY FAVORITES

#	PRODUCT	NAME	PRICE	STATUS	ADD TO CART	ACTION
1		iPhone 12 mini 64GB Category: Mobile	\$500.00	On Stock	<button>ADD TO CART</button>	X
2		iPhone 13 Pro 256GB Gold Category: Mobile	\$1,450.00	On Stock	<button>ADD TO CART</button>	X
3		iPhone 13 Pro Max 512GB Category: Mobile	\$1,500.00	On Stock	<button>ADD TO CART</button>	X

« 1 »

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Shipping
Return & Refund
FAQs

COMPANY

About Us
Mission & Vision
Career
Contact Us

BUSINESS

Tracking Your Order
Payment Methods
Coupons
Shop Branch

1.1.9. Cart

1.1.9.1. Cart Manage Page

The screenshot shows the top navigation bar of the SmartShop website. It features a logo for "SMARTSHOP" with a blue and white swirl icon. A search bar with placeholder text "Search Product By Name..." and a "SEARCH" button are positioned to the right. Above the search bar are three icons: a heart with a number "3", a shopping bag with a number "1", and a user profile icon.

Below the header, a horizontal menu bar includes "CATEGORIES", "HOME", "SHOP", "ABOUT US", and "CONTACT US". Underneath the menu, a breadcrumb trail shows "Home / Shop / Cart".

YOUR CART

#	PRODUCT	PRICE	QUANTITY	SUBTOTAL	ACTION
1	 iPhone 13 Pro 256GB Gold <small>Category: Mobile</small>	\$1,450.00	<input type="text" value="1"/>	\$1,450.00	X

[← BACK TO SHOP](#)

Order Summary

Subtotal	\$1,450.00
Savings	\$0.00
Order Total	\$1,450.00

[CONFIRM ORDER](#)

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BUSINESS

- [Tracking Your Order](#)
- [Payment Methods](#)
- [Coupons](#)
- [Shop Branch](#)

1.1.9.2. Checkout

The screenshot shows the header of the SmartShop website. It features a yellow header bar with the "SMARTSHOP" logo on the left, a search bar in the center containing the placeholder "Search Product By Name...", and three icons on the right: a heart with a number '3', a shopping bag with a number '1', and a user profile icon.

Below the header, there is a navigation menu with links: "CATEGORIES", "HOME", "SHOP", "ABOUT US", and "CONTACT US". A breadcrumb navigation path "Home / Shop / Checkout" is also visible.

CHECKOUT

Shipping Information

Full Name*

Nguyen Mau Linh

Phone Number*

0916891997

City*

cities

District*

districts

Ward*

wards

House Number*

House Number

More Information

Notes For Shipping

Order Summary

Products

Subtotal

iPhone 13 Pro 256GB Gold × 1

\$1,450.00

Category: Mobile

Subtotal:

\$1,450.00

Savings:

\$0.00

Order Total:

\$1,450.00

Cash On Delivery

PROCEED TO PAYMENT

OR

Payment with Paypal

PayPal

Debit or Credit Card

Powered by **PayPal**

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COMPANY

About Us

Mission & Vision

Career

Contact Us

BUSINESS

Tracking Your Order

Payment Methods

Coupons

Shop Branch

1.1.9.3. Payment

1.1.9.3.1. Payment with Card

Debit or Credit Card X

Card number

Expires CSC

Billing address  ▾

First name Last name

Street address

Apt., ste., bldg.

City

State ▾

ZIP code

Mobile +1

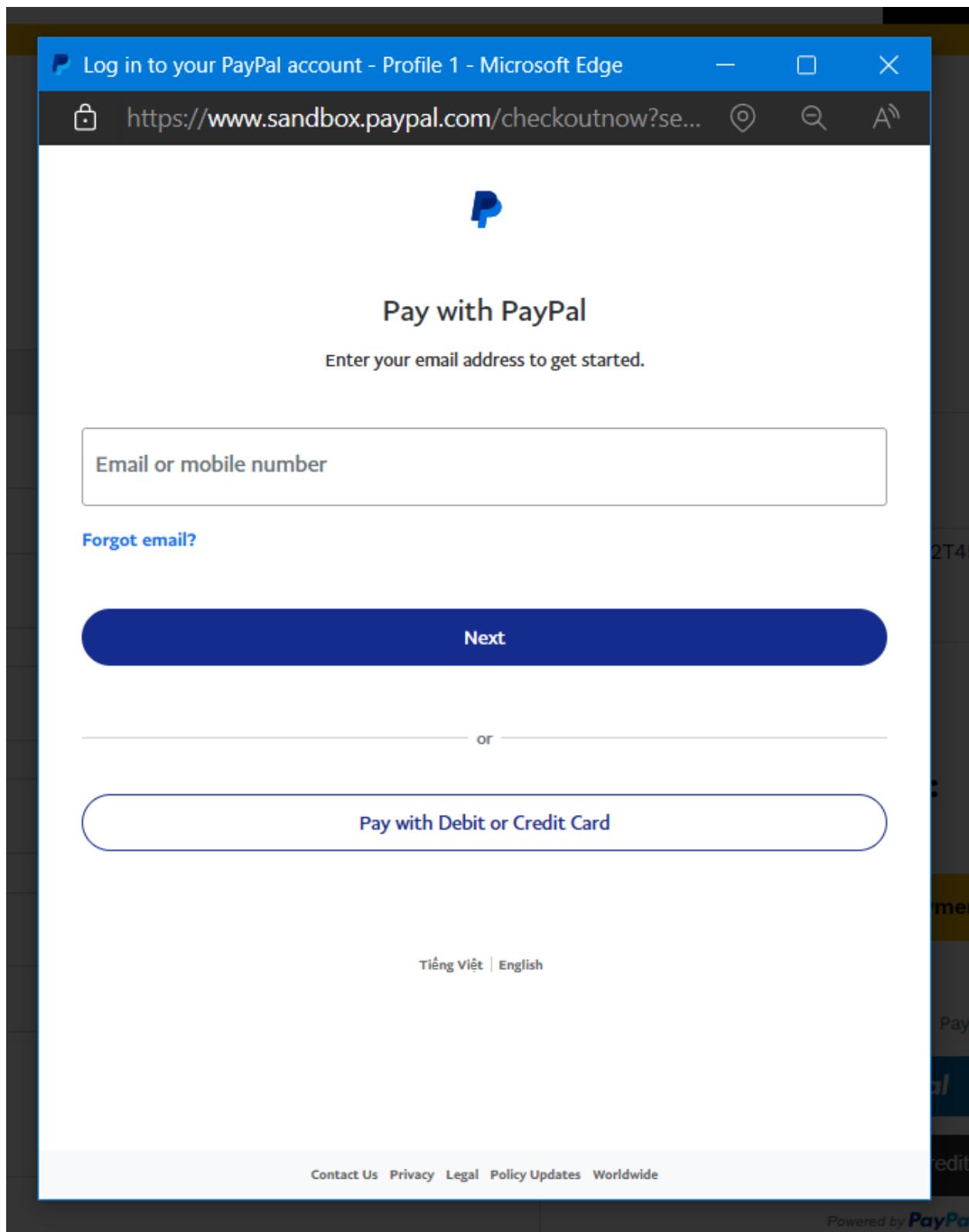
Email

Ship to billing address

By continuing, you confirm you're 18 years or older.

Pay Now

1.1.9.3.2. Payment with Paypal



1.1.10. Order Management

1.1.10.1. Order History

The screenshot shows the 'Order History' section of the SmartShop website. At the top, there's a yellow header bar with the 'SMARTSHOP' logo, a search bar, and user icons for heart, cart, and profile. Below the header, a navigation bar includes 'CATEGORIES', 'HOME', 'SHOP', 'ABOUT US', and 'CONTACT US'. A breadcrumb trail at the top left says 'Home / Account / Personal Account'. The main content area has a title 'ORDER HISTORY' and displays a table of five orders. Each order row contains a small user profile picture, the customer's name ('Nguyen Mau Linh'), their email ('Diepmocphong@gmail.com'), phone number ('0935476003'), gender ('Male'), address ('345 Vo Van Ngan'), and the status ('Order Completed: 7'). The table columns are labeled '#', 'Date', 'Total', 'Address', 'Phone', 'Status', and 'Action'. Below the table is a page navigation bar with numbers 1 through 6.

#	Date	Total	Address	Phone	Status	Action
1	21-10-2023	\$1,419.00	32, Xã Chiềng Hắc, Huyện Yên Châu, Tỉnh Sơn La	0916891997	Paid	
2	21-10-2023	\$17.98	23, Xã Thái Học, Huyện Bảo Lâm, Tỉnh Cao Bằng	0916891997	Pending	
3	21-10-2023	\$1,500.00	45, Xã Thượng Nông, Huyện Na Hang, Tỉnh Tuyên Quang	0916891997	Pending	
4	21-10-2023	\$1,450.00	45, Phường Xuân Hòa, Thành phố Phúc Yên, Tỉnh Vĩnh Phúc	0916891997	Pending	
5	21-10-2023	\$500.00	45, Xã Tiên Lữ, Huyện Lập Thạch, Tỉnh Vĩnh Phúc	0916891997	Pending	

1.1.10.2. Order Detail

ORDER DETAILS

TOTAL: \$6,218.90

#	Product	Price	Quantity	Ratings
1	iPhone 13 Pro 256GB Gold	\$2,900.00	2	
2	iPhone 12 mini 64GB	\$500.00	1	
3	iPhone 13 Pro Max 512GB	\$1,500.00	1	
4	Orient Star RE-AT0108L00B Men's Watch	\$578.50	1	
5	Orient Star RE-AT0001L00B Men's Watch	\$455.40	1	
6	Orient RA-AS0101S - Automatic Men's Watch	\$285.00	1	

1.1.11. Comment and Rating Product

RATINGS



Orient Star RE-AT0108L00B

Men's Watch

Comments:

Nice Watch ! My Father love it !

Ratings: ★★★★☆

SEND

1.2.Admin

1.2.1. Login

SmartShop

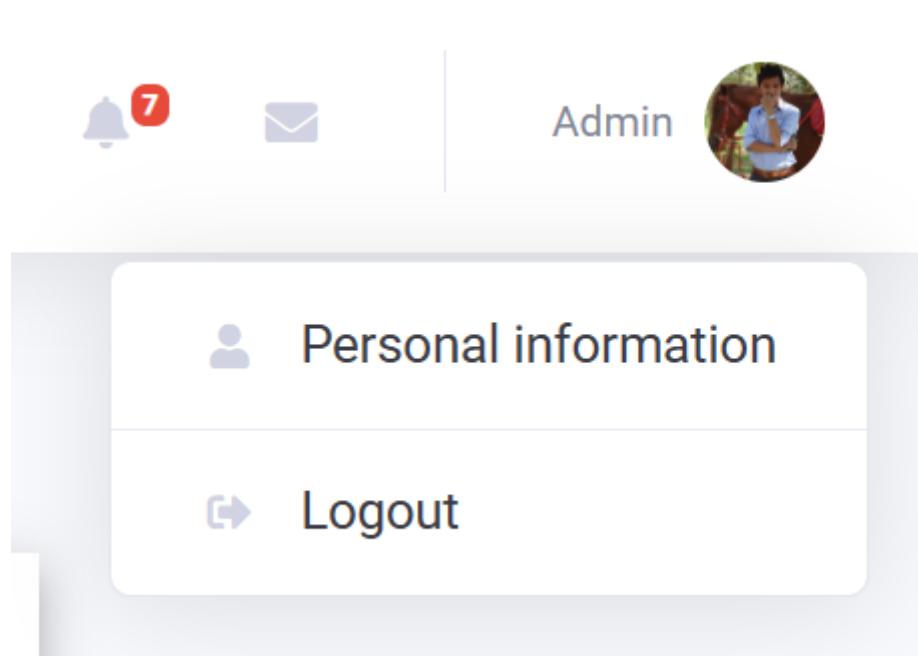
Enter your email

Enter your password

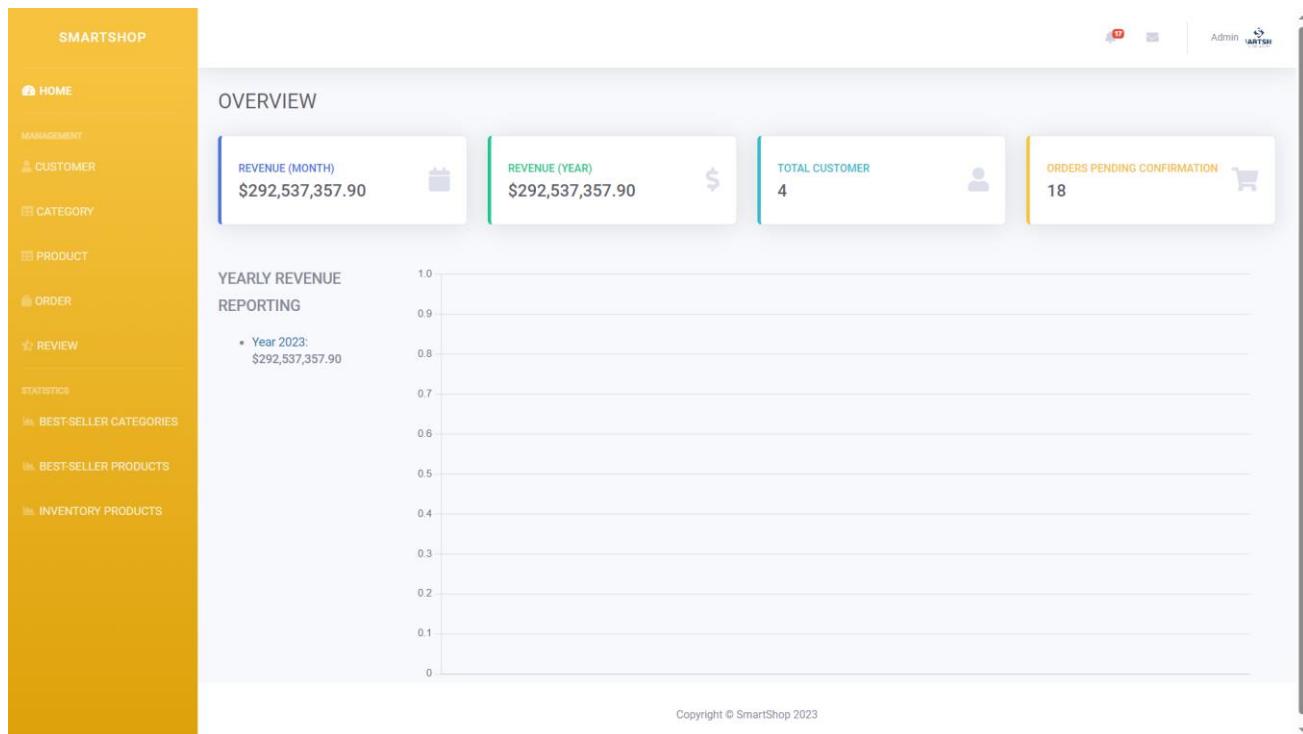


LOGIN

1.2.2. Logout



1.2.3. Dashboard



1.2.4. Customer Management

1.2.4.1. Customer Manage Page

#	ID	FULLNAME	EMAIL	ADDRESS	PHONE NUMBER	GENDER	REGISTERED DATE	VIEW	DISABLE
3	Nguyen Mau Linh	diepmocphong@gmail.com	345 Vo Van Ngan	0935476003	Male	20-03-2022			
4	Dang Ngoc Minh Triet	thaochi6404@gmail.com	90 Nguyen Huu Canh	0916855648	Male	23-03-2022			
7	Truong Thanh Nghia	nmlinh.kk@gmail.com	123 Le Van Viet	0988447856	Male	16-10-2023			

Items per page: 10 | < < > >> | 1 – 3 of 3

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1.2.4.2. Add New Customer

GENDER	REGISTERED DATE	VIEW	DISABLE
Male	20-03-2022		
Male	23-03-2022		
Male	16-10-2023		

1.2.4.3. Update Customer Information

SMARTSHOP

CUSTOMER

EDIT CUSTOMER

Customer Name: Truong Thanh Nghia

Email: nmlinh.kk@gmail.com

Password: *****

Address: 123 Le Van Viet

Phone Number: 0988447856

Gender: Male

Avatar: Choose image | Browse

UPDATE

GENDER	REGISTERED DATE	VIEW	DISABLE
Male	20-03-2022	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Male	23-03-2022	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Male	16-10-2023	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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1.2.4.4. Disable Customer

SMARTSHOP

CUSTOMER

CUSTOMER LIST

Search

ADD NEW USER | EXPORT EXCEL

#	ID	FULLNAME	EMAIL	ADDRESS	PHONE NUMBER	GENDER	REGISTERED DATE	VIEW	DISABLE
3	0935476003	Nguyen Mau	nmlinh.kk@gmail.com	123 Le Van Viet	0935476003	Male	20-03-2022	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	0916855648	Dang Ngoc M	dangngocminhtriet@gmail.com	456 Pham Van Dong	0916855648	Male	23-03-2022	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	0988447856	Truong Thanh	truongthanhnghia@gmail.com	234 Tran Van Phat	0988447856	Male	16-10-2023	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Items per page: 10 | < < > >>

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1.2.5. Category Management

1.2.5.1. Category Manage Page

CATEGORY LIST

ID	NAME	VIEW	DISABLE
1	Mobile	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Laptop	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Electric Appliances	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Watch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Television	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Items per page: 10 | 1 - 5 of 5 | < < > >|

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1.2.5.2. Add New Category

CATEGORY LIST

ID	NAME	VIEW	DISABLE
1	Mobile	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Laptop	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Electric Appliance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Watch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Television	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ADD NEW CATEGORY

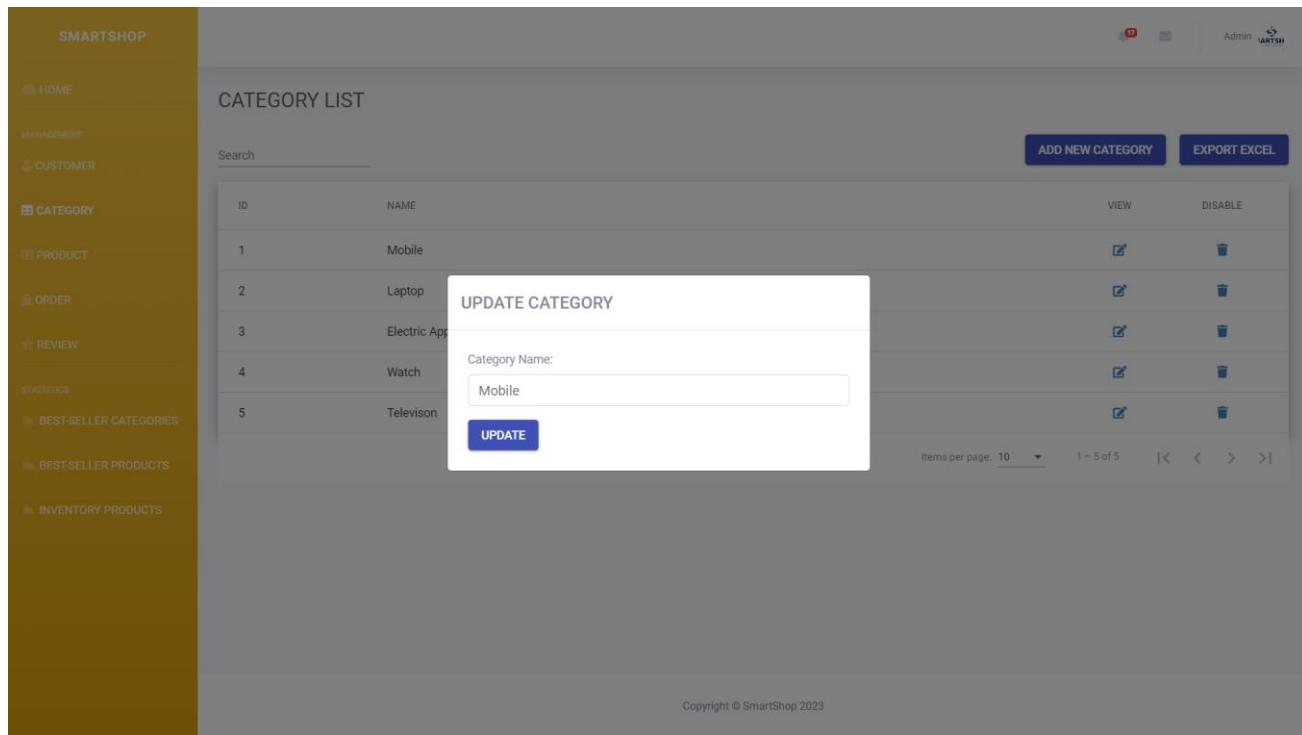
Category Name:

ADD

Items per page: 10 | 1 - 5 of 5 | < < > >|

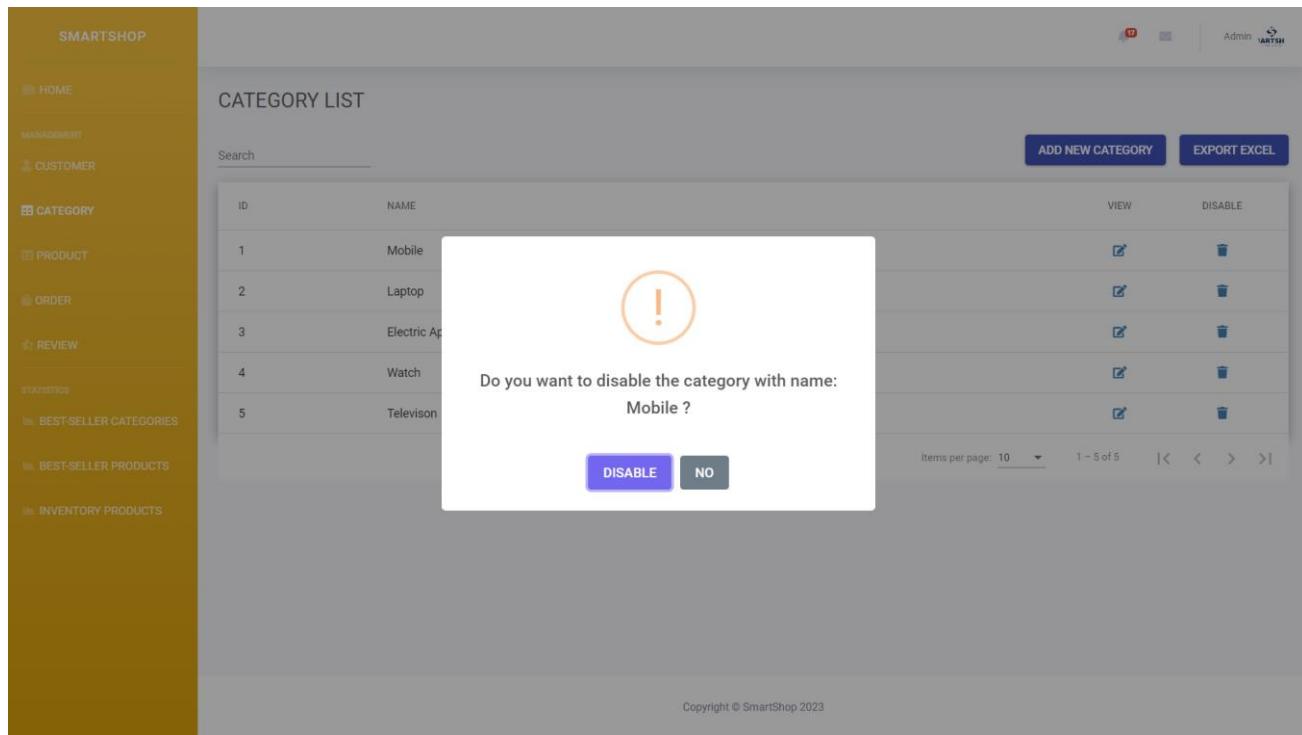
Copyright © SmartShop 2023

1.2.5.3. Update Category



The screenshot shows the SmartShop application interface. On the left is a sidebar with a dark orange background containing navigation links: HOME, MANAGEMENT, CUSTOMER, CATEGORY (which is selected and highlighted in blue), PRODUCT, ORDER, REVIEW, STATISTICS, BEST-SELLER CATEGORIES, BEST-SELLER PRODUCTS, and INVENTORY PRODUCTS. The main content area has a light gray background. At the top, there's a header bar with icons for user profile, notifications, and search. Below the header is a button to 'ADD NEW CATEGORY' and another to 'EXPORT EXCEL'. The main title is 'CATEGORY LIST'. A search bar is present. A modal window titled 'UPDATE CATEGORY' is open in the center. It contains a form field labeled 'Category Name:' with the value 'Mobile' and a blue 'UPDATE' button. In the bottom right corner of the main content area, there's a copyright notice: 'Copyright © SmartShop 2023'.

1.2.5.4. Disable Category



This screenshot shows the same SmartShop application interface as the previous one. The sidebar and header are identical. The main content area displays a 'CATEGORY LIST' table with the following data:

ID	NAME	VIEW	DISABLE
1	Mobile	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Laptop	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Electric Ap	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Watch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Television	<input checked="" type="checkbox"/>	<input type="checkbox"/>

A modal window in the center asks: 'Do you want to disable the category with name: Mobile ?' with 'DISABLE' and 'NO' buttons. The background table row for 'Mobile' has its 'VIEW' checkbox checked and its 'DISABLE' checkbox unchecked. The copyright notice 'Copyright © SmartShop 2023' is visible at the bottom right.

1.2.6. Product Management

1.2.6.1. Product Manage Page

The screenshot shows a product management interface. On the left is a sidebar with navigation links: MANAGEMENT, CUSTOMER, CATEGORY, PRODUCT, ORDER, REVIEW, STATISTICS, BEST-SELLER CATEGORIES, BEST-SELLER PRODUCTS, and INVENTORY PRODUCTS. The main area has a search bar at the top right. Below it is a table with the following columns: #, ID, NAME, PRICE, DISCOUNT, CATEGORY, ADDED DATE, VIEW, and DISABLE. The table lists 12 products, all of which are Mobile phones. The products are: iPhone 12 Pro Max 512GB, iPhone 12 Pro 512GB, iPhone 13 512GB, iPhone 13 Pro Max 1TB Green, iPhone 13 Pro 256GB Gold, iPhone 13 Pro Max 512GB, iPhone 13 Pro Max 512GB Green, iPhone 13 Pro 128GB, iPhone 11 64GB, and iPhone 11 128GB. The table includes pagination at the bottom.

#	ID	NAME	PRICE	DISCOUNT	CATEGORY	ADDED DATE	VIEW	DISABLE
3		iPhone 12 Pro Max 512GB	\$1,250.00	0%	Mobile	08-03-2023		
4		iPhone 12 Pro 512GB	\$1,200.00	0%	Mobile	20-03-2022		
5		iPhone 13 512GB	\$1,419.00	0%	Mobile	20-03-2022		
6		iPhone 13 Pro Max 1TB Green	\$1,599.00	0%	Mobile	20-03-2022		
7		iPhone 13 Pro 256GB Gold	\$1,450.00	0%	Mobile	20-03-2022		
8		iPhone 13 Pro Max 512GB	\$1,500.00	0%	Mobile	20-03-2022		
9		iPhone 13 Pro Max 512GB Green	\$1,500.00	0%	Mobile	20-03-2022		
10		iPhone 13 Pro 128GB	\$1,350.00	0%	Mobile	20-03-2022		
11		iPhone 11 64GB	\$650.00	0%	Mobile	20-03-2022		
12		iPhone 11 128GB	\$750.00	0%	Mobile	20-03-2022		

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1.2.6.2. Add New Product

The screenshot shows a modal window titled "ADD NEW PRODUCT". It contains the following fields:

- Product Name: Laptop Asus Gaming ROG Strix G513RW-HQ152
- Price: \$1500
- Quantity: 100
- Discount: 10%
- Category: Laptop
- Description: The laptop's 1TB SSD provides ample storage space for games, software, and media files, and it also helps in faster boot times and loading times for applications. The inclusion of the NVIDIA GeForce RTX 3070 Ti graphics card ensures that you can play the latest
- Product Image: A thumbnail image of a laptop.
- Buttons: "Choose image" and "Browse" for uploading a product image, and a large blue "ADD" button at the bottom.

1.2.6.3. Update Product

The screenshot shows the 'Edit Product' dialog box over a list of products. The product being edited is 'iPhone 13 512GB'. The dialog includes fields for Product Name (iPhone 13 512GB), Price (1419 USD), Quantity (992), Discount (0 %), Category (Mobile), Description (a detailed text about the iPhone 13's design improvements), and a Product Image preview (blue iPhone 13). Below the dialog is a table listing other products like iPhone 11 64GB and iPhone 11 128GB.

#	ID	NAME	PRICE	DISCOUNT	CATEGORY	ADDED DATE	VIEW	DISABLE
11		iPhone 11 64GB	\$650.00	0%	Mobile	20-03-2022		
12		iPhone 11 128GB	\$750.00	0%	Mobile	20-03-2022		

1.2.6.4. Disable Product

The screenshot shows a confirmation dialog box asking 'Do you want to disable iPhone 13 Pro Max 1TB Green ?' with 'DISABLE' and 'NO' buttons. This overlay appears over a table of products. The table includes columns for #, ID, NAME, PRICE, DISCOUNT, CATEGORY, ADDED DATE, VIEW, and DISABLE. The row for the iPhone 13 Pro Max 1TB Green is highlighted.

#	ID	NAME	PRICE	DISCOUNT	CATEGORY	ADDED DATE	VIEW	DISABLE
3					Mobile	08-03-2023		
4					Mobile	20-03-2022		
5					Mobile	20-03-2022		
6					Mobile	20-03-2022		
7					Mobile	20-03-2022		
8		iPhone 13 Pro Max 512GB	\$1,500.00	0%	Mobile	20-03-2022		
9		iPhone 13 Pro Max 512GB Green	\$1,500.00	0%	Mobile	20-03-2022		
10		iPhone 13 Pro 128GB	\$1,350.00	0%	Mobile	20-03-2022		
11		iPhone 11 64GB	\$650.00	0%	Mobile	20-03-2022		
12		iPhone 11 128GB	\$750.00	0%	Mobile	20-03-2022		

1.2.7. Order Management

1.2.7.1. Order Manage Page

The screenshot shows the 'ORDER LIST' page of the SmartShop application. The left sidebar contains navigation links for Home, Management, Customer, Category, Product, Order, Review, Statistics, Best-Seller Categories, Best-Seller Products, and Inventory Products. The main area displays a table of order details. The table columns are: ID, CUSTOMER, ADDRESS, PHONE, TOTAL, DATE, STATUS, and CHECK. The data in the table is as follows:

ID	CUSTOMER	ADDRESS	PHONE	TOTAL	DATE	STATUS	CHECK
44	Nguyen Mau Linh	123, Xã Hồng Châu, Huyện Yên Lạc, Tỉnh Vĩnh Phúc	0916891997	\$6,218.90	24-10-2023	Completed	<input checked="" type="checkbox"/>
43	Nguyen Mau Linh	32, Xã Chiềng Hắc, Huyện Yên Châu, Tỉnh Sơn La	0916891997	\$1,419.00	21-10-2023	Completed	<input checked="" type="checkbox"/>
42	Nguyen Mau Linh	23, Xã Thái Học, Huyện Bảo Lâm, Tỉnh Cao Bằng	0916891997	\$17.98	21-10-2023	Pending	<input checked="" type="checkbox"/>
41	Nguyen Mau Linh	45, Xã Thượng Nông, Huyện Na Hang, Tỉnh Tuyên Quang	0916891997	\$1,500.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
40	Nguyen Mau Linh	45, Phường Xuân Hoà, Thành phố Phúc Yên, Tỉnh Vĩnh Phúc	0916891997	\$1,450.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
39	Nguyen Mau Linh	45, Xã Tiên Lữ, Huyện Lập Thạch, Tỉnh Vĩnh Phúc	0916891997	\$500.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
38	Nguyen Mau Linh	4535, Xã Tân Hiệp, Huyện Yên Thế, Tỉnh Bắc Giang	0916891997	\$1,000.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
37	Nguyen Mau Linh	543543, Phường Phú Diện, Quận Bắc Từ Liêm, Thành phố Hà Nội	0916891997	\$500.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
36	Nguyen Mau Linh	34234, Xã Vĩnh Phong, Huyện Bảo Lâm, Tỉnh Cao Bằng	0916891997	\$500.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
35	Nguyen Mau Linh	43, Xã Tân Lãng, Huyện Lương Tài, Tỉnh Bắc Ninh	0916891997	\$2,950.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
34	Nguyen Mau Linh	323, Xã Nậm Manh, Huyện Nậm Nhùn, Tỉnh Lai Châu	0916891997	\$2,950.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
33	Nguyen Mau Linh	323, Xã Sơn Thủy, Huyện Thanh Thủy, Tỉnh Phú Thọ	0916891997	\$2,950.00	21-10-2023	Pending	<input checked="" type="checkbox"/>

1.2.7.2. Change Status Order

The screenshot shows the 'ORDER LIST' page with a modal dialog box overlaid. The dialog is titled 'ORDER DETAILS' and displays the total amount as 'TOTAL: \$1,500.00'. Below this, there is a table with columns '#', PRODUCT, QUANTITY, and PRICE. One row is visible, showing item 'iPhone 13 Pro Max 512GB' with quantity '1' and price '\$1,500.00'. At the bottom of the dialog are two buttons: 'CONFIRM' (blue) and 'CANCEL' (red). The background table lists various orders, some of which have their status changed to 'Pending'.

ID	CUSTOMER	ADDRESS	PHONE	TOTAL	DATE	STATUS	CHECK
44	Nguyen Mau Linh	123, Xã Hồng Châu, Huyện Yên Lạc, Tỉnh Vĩnh Phúc	0916891997	\$6,218.90	24-10-2023	Completed	<input checked="" type="checkbox"/>
43	Nguyen Mau Linh	32, Xã Chiềng Hắc, Huyện Yên Châu, Tỉnh Sơn La	0916891997	\$1,419.00	21-10-2023	Completed	<input checked="" type="checkbox"/>
42	Nguyen Mau Linh	23, Xã Thái Học, Huyện Bảo Lâm, Tỉnh Cao Bằng	0916891997	\$17.98	21-10-2023	Pending	<input checked="" type="checkbox"/>
41	Nguyen Mau Linh	45, Xã Thượng Nông, Huyện Na Hang, Tỉnh Tuyên Quang	0916891997	\$1,500.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
40	Nguyen Mau Linh	45, Phường Xuân Hoà, Thành phố Phúc Yên, Tỉnh Vĩnh Phúc	0916891997	\$1,450.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
39	Nguyen Mau Linh	45, Xã Tiên Lữ, Huyện Lập Thạch, Tỉnh Vĩnh Phúc	0916891997	\$500.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
38	Nguyen Mau Linh	4535, Xã Tân Hiệp, Huyện Yên Thế, Tỉnh Bắc Giang	0916891997	\$1,000.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
37	Nguyen Mau Linh	543543, Phường Phú Diện, Quận Bắc Từ Liêm, Thành phố Hà Nội	0916891997	\$500.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
36	Nguyen Mau Linh	34234, Xã Vĩnh Phong, Huyện Bảo Lâm, Tỉnh Cao Bằng	0916891997	\$500.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
35	Nguyen Mau Linh	43, Xã Tân Lãng, Huyện Lương Tài, Tỉnh Bắc Ninh	0916891997	\$2,950.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
34	Nguyen Mau Linh	323, Xã Nậm Manh, Huyện Nậm Nhùn, Tỉnh Lai Châu	0916891997	\$2,950.00	21-10-2023	Pending	<input checked="" type="checkbox"/>
33	Nguyen Mau Linh	323, Xã Sơn Thủy, Huyện Thanh Thủy, Tỉnh Phú Thọ	0916891997	\$2,950.00	21-10-2023	Pending	<input checked="" type="checkbox"/>

1.2.8. Rating Management

1.2.8.1. Rating Manage Page

The screenshot shows the 'CUSTOMER'S REVIEW LIST' page. On the left is a yellow sidebar with navigation links: HOME, MANAGEMENT, CUSTOMER, CATEGORY, PRODUCT, ORDER, REVIEW, STATISTICS, BEST-SELLER CATEGORIES, BEST-SELLER PRODUCTS, and INVENTORY PRODUCTS. The main area has a white header with 'CUSTOMER'S REVIEW LIST', a search bar, and an 'EXPORT EXCEL' button. Below is a table with one row:

#	CUSTOMER	PRODUCT	RATINGS	COMMENTS	DATE	DISABLE
1	Nguyen Mau Linh		★★★★★	Good Product ! High Quality !	24-10-2023	

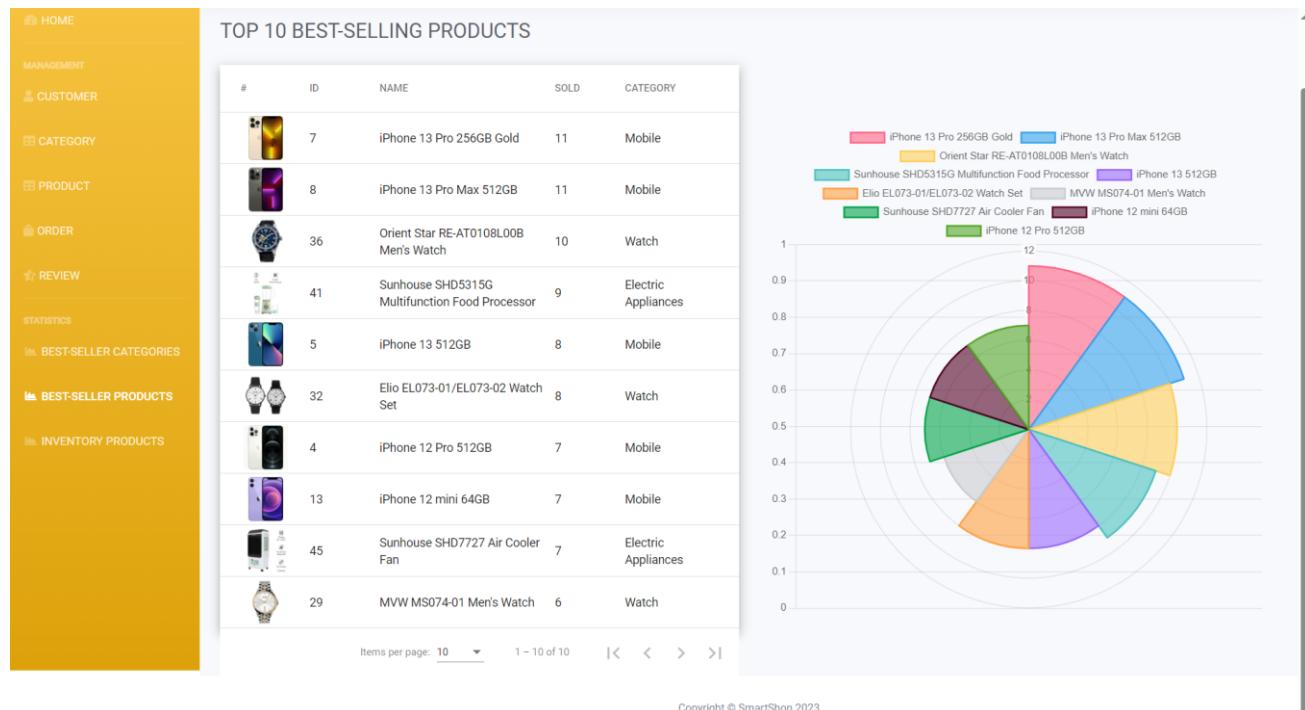
At the bottom right are pagination controls: 'Items per page: 10', '1 - 1 of 1', and arrows. Copyright © SmartShop 2023 is at the bottom.

1.2.8.2. Disable a Rating

The screenshot shows the same 'CUSTOMER'S REVIEW LIST' page as above, but with a modal dialog in the center. The dialog has a large question mark icon and the text 'Do you want to disable this comment/ratings ?' with two buttons: 'DISABLE' (blue) and 'NO' (dark grey). The background is dimmed.

1.2.9. View Report

1.2.9.1. Best-seller Products



1.2.9.2. Best-seller Categories



1.2.9.3. Inventory Products

HOME
 MANAGEMENT
 CUSTOMER
 CATEGORY
 PRODUCT
 ORDER
 REVIEW
 STATISTICS
 BEST-SELLER CATEGORIES
 BEST-SELLER PRODUCTS
 INVENTORY PRODUCTS

INVENTORY PRODUCTS LIST

#	CODE	NAME	QUANTITY	CATEGORY
18	Dell Inspiron 15 3511 i3 1115G4/4GB/256GB	10000	10000	Laptop
3	iPhone 12 Pro Max 512GB	9999	9999	Mobile
33	Elio EL075-01/EL075-02 Watch Set	8682	8682	Watch
32	Elio EL073-01/EL073-02 Watch Set	6860	6860	Watch
42	Kangaroo 1.8L KG18RC3 Rice Cooker	4494	4494	Electric Appliances
43	Sunhouse Mama SHD5505 Electric Slow Juicer	3197	3197	Electric Appliances
29	MVW MS074-01 Men's Watch	2994	2994	Watch
41	Sunhouse SHD5315G Multifunction Food Processor	2991	2991	Electric Appliances
17	Acer Nitro 5 Gaming AN515 45 R6EV R5 5600H	2000	2000	Laptop
24	MVW ML065-01 Men's Watch	1998	1998	Watch

Items per page: 10 | < < > > |

Top 10 Products With Highest Inventory Quantities In Stock

Product	Quantity
Dell Inspiron 15 3511 i3 1115G4/4GB/256GB	10,000
iPhone 12 Pro Max 512GB	9,500
Elio EL075-01/EL075-02 Watch Set	8,500
Elio EL073-01/EL073-02 Watch Set	7,000
Kangaroo 1.8L KG18RC3 Rice Cooker	6,000
Sunhouse Mama SHD5505 Electric Slow Juicer	4,500
MVW MS074-01 Men's Watch	3,500
Sunhouse SHD5315G Multifunction Food Processor	3,000
Acer Nitro 5 Gaming AN515 45 R6EV R5 5600H	2,500
MVW ML065-01 Men's Watch	2,000

2. Mobile

2.1.Customer

2.2.Admin

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:				
St. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status	
1	Design Database Diagram	Smart Shop	Dang Ngoc Minh Triet	26/09/2023	1	All member	Completed	
2	Database Structure			27/09/2023	1	All member	Completed	
3	Site map			28/09/2023	2	All member	Completed	
4	GUI Design			01/10//2023	2	All member	Completed	
5	Checklist of validation			03/10/2023	1	All member	Complete	
6	Submission checklist			04/10/2023	1	All member	Complete	
7	Task Sheet Review			04/10/2023	1	Triet	Complete	
Date: 07/10/2023								
Signature of Instructor: Mr. Hoang Duc Quang		Signature of Team Leader: Dang Ngoc Minh Triet						

TASK SHEET REVIEW 3