

PET SHOP

Software Requirement Specification

– Hanoi, April, 2023 –

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I. Product Overview

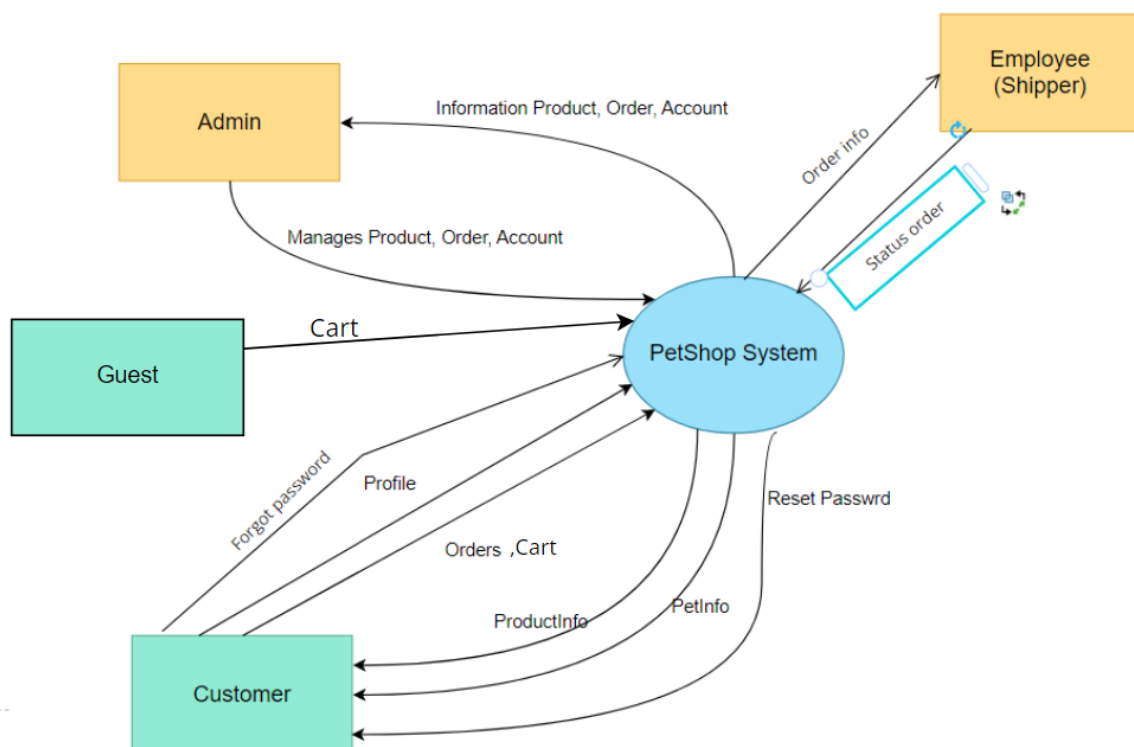
1. Introduction

General information about the project:

- Animals are an indispensable part of our lives, especially domestic pets such as dogs and cats. Currently, the demand for dogs and cats is very high because in addition to guarding the house and furniture, they also bring many good benefits to the owner such as reducing stress to work more efficiently, bringing joy in life, improving the diseases of blood pressure and heart disease.
- Therefore, the system is expected to develop a website to trade animals namely dogs and cats to serve the needs of the market.
- Group name: **Group 4**
- Software type: **Website**

2. Context diagram

Detail Url:



II. User Requirements

1. Actor

#	Actor	Description
1	Admin	Person who is managing the whole system and accounts of everybody
2	Users	This actor represent Customer (who have an accounts and order products) or Guest (who don't have an account)
3	Employee	This actor represent Shipper whom admin assign account

2. Use case

a. High level use case diagram

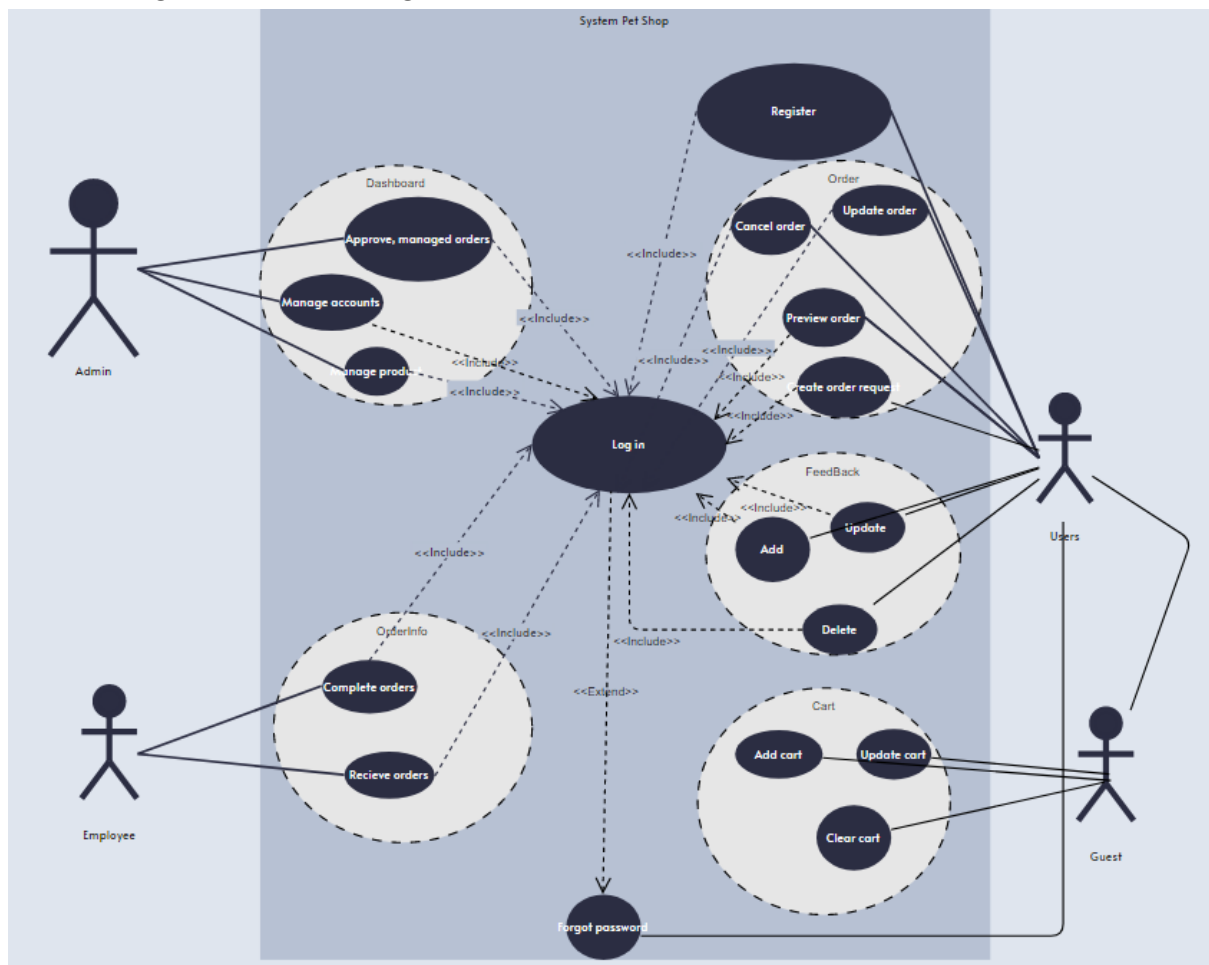


Figure : High level use case diagram

b. Use case list and description

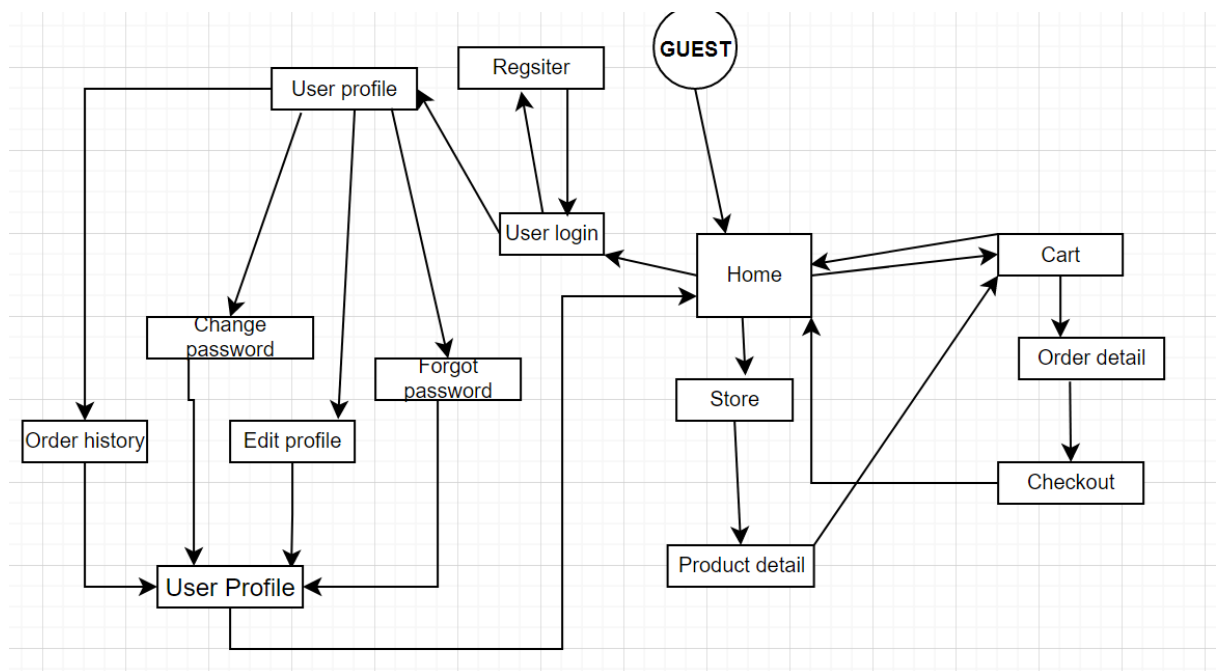
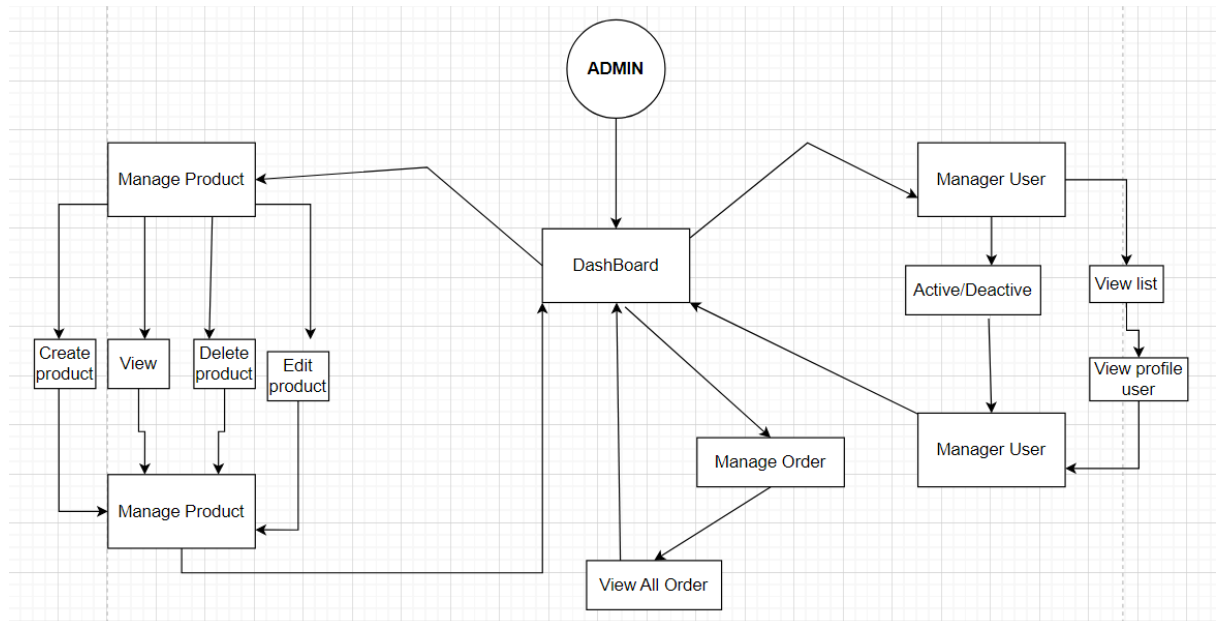
ID	Use Case	Actor	Description
1	Managed account (view,update,delete)	Admin	This function allows the admin to view, control all accounts in the system.
2	Assign employee	Admin	This function allows the admin to add a new account for employees (shipper) into the system.
3	Managed product	Admin	This function allows the admin to managed all product
4	Managed orders	Admin	This function allows the admin to accept and managed orders request
5	Review revenue	Admin	This function allows the admin to review the revenue each month
6	Receive order	Employee	This function allows employee (shipper) to receive orders from admin

7	Complete order	Employee	This function enables employees (shippers) to mark orders as complete when they have been successfully fulfilled.
8	Shopping cart	Users	This function allows users to add, view, update, delete products to shopping cart
9	Orders request	Users	This function allows users to request orders when they logged in and want buy something
10	Update request	Users	This function allows users to update their request (in condition) and enable only when logged in
11	Cancel request	Users	This function allows users to cancel their request (in condition) and enable only when logged in
12	Register	Guest	This function allows users to register a new account in the system
13	Login	Admin, Employee, Users	This function allows actors to access the system with their account
14	Logout	Admin, Employee, Users	This function allows actors to logout the system with their account
15	Forgot password	Admin, Employee, Users	This function allows actors to set a new password if they forgot old password (in condition)
16	View home page	Admin, Employee, Users	This function allows the actors to view homepage
17	Search	Admin, Employee, Users	Searching by the product or category

III. Functional Requirements

1. System function overview

a. Screen Flow



b. Screen Description

ID	Feature	Screen	Description
----	---------	--------	-------------

1	Managed account	Managed account	Display all accounts to managed on managed side
2	Managed account	Add account	Display form for admin to fill and after that a new account will assign to the system
3	Managed account	View account	Display account information
4	Managed account	Delete account	Display “Confirm” to deactivate account from the system
5	Managed cart	Create cart	Add a new product users may buy
6	Managed cart	View cart	View what they add to cart before
7	Managed cart	Update cart	Add more or remove product from cart
8	Managed cart	Clear cart	Remove all product from cart
9	Managed order	Managed order	Display all about order and status
10	Managed order	Create order	Display form to fill and create an order
11	Managed order	View order	Display all information contains order
12	Managed order	Update order	Add or remove some product of order
13	Managed order	Cancel order	Cancel the order
14	Managed personal profile	View personal profile	Display all information’s user
15	Managed personal profile	Update personal profile	Display form to fill and update profile
16	Common feature	View home page	Display when user access the website
17	Common feature	Register	Display form to fill to create an account
18	Common feature	Login	Display form to fill after that access role’s feature
19	Common feature	Logout	Logout from the system
20	Common feature	Forgot password	Change password when user forgot it
21	Common feature	Search	Searching by the product or category

c. Screen Authorization

Screen	Admin	Customer	Employee
Home Page	x	x	x
Category Product	x	x	x
Product Detail	x	x	x
Cart	x	x	

#	Entity	Description
1	account	The registered Users, Employee, Admin of the system
2	order	Contains information about order
3	orderinfo	Contains information about order and customer
4	orderitem	Contains information about product customer buy
5	shipping	Contains information about shipping status
6	feedback	Contains information about feedback of customer after bought
7	customer	Contains information about Users that have an account
8	product	Contains information about product
9	origin	Contains information about region of that product
10	pet	Contains information about pet
11	productimage	Contains images of each product
12	cart	Contains information about cart
13	cart item	Contains item in cart
14	subcategory	Contains information about subcategory
15	category	Contains information on subcategory and category

2.Manage account

a.Managed account

Use Case ID	UC-01	Use Case Name	Managed account
Created By		Created Date	
Primary Actor	Admin	Secondary Actor	N/A
Trigger	Triggered when click on the button “Managed account”		
Description	This function allows the admin to view, control all accounts in the system.		
Pre-conditions	1. Login the system with admin account		
Post-conditions	Display all account of the system		
Normal Flow	1. Display “Dashboard” after login 2. Click on “Managed account”		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		

Frequency of Use	High
Business Rules	N/A
Other Information	N/A

b.Add account

Use Case ID	UC-02	Use Case Name	Add account
Created By		Created Date	
Primary Actor	Admin	Secondary Actor	N/A
Trigger	Click on the button "Add"		
Description	This function allows the admin to add a new account for employees (shipper) into the system.		
Pre-conditions	<ol style="list-style-type: none"> 1. Logged into the system with an admin account 2. Click on "Managed account" 3. Click on "Add" icon 		
Post-conditions	Successfully create a new account for another		
Normal Flow	<ol style="list-style-type: none"> 1. Access website 2. Logged in the system with admin account 3. Click on "Managed account" button 4. Click on "Managed account" button 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		
Business Rules	N/A		

Other Information	N/A
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c.View account

Use Case ID	UC-03	Use Case Name	View account
Created By		Created Date	
Primary Actor	Admin	Secondary Actor	N/A
Trigger	Triggered when click on the button “Managed account”		
Description	Display accounts information of all actors		
Pre-conditions	<ol style="list-style-type: none"> 1. Admin logged in the system 2. Click on “Managed account” button 3. Click on account card want to view 		
Post-conditions	Display information of the account		
Normal Flow	<ol style="list-style-type: none"> 1. Admin logged in the system 2. Click on “Managed account” button 3. Click on account card want to view 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		
Business Rules	N/A		
Other Information	N/A		

d.Delete account

Use Case ID	UC - 04	Use Case Name	Delete account
Created By		Created Date	15/2/2023
Primary Actor	Admin	Secondary Actor	N/A
Trigger	Triggered when click on the button icon “trash bin” in “Managed account”		
Description	Display “Confirm” to deactivate account from the system when click on “trash bin” icon		
Pre-conditions	<ol style="list-style-type: none">1. Admin logged in the system2. Click on “Managed account” button3. Click on account card want to view		
Post-conditions	Deactivate an account from the system		
Normal Flow	<ol style="list-style-type: none">1. Admin logged in the system2. Click on “Managed account” button3. Click on “trash bin” icon in that account card want to deactivate		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		
Business Rules	N/A		
Other Information	N/A		

3.Manage cart

a.Create cart

Use Case ID	UC - 05	Use Case Name	Create cart
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Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	Customer, Guest	Secondary Actor	N/A
Trigger	Click on the button icon “cart” in each product.		
Description	Add a new product users may buy		
Pre-conditions	Access the website and click icon “cart” each product want to add		
Post-conditions	N/A		
Normal Flow	<ol style="list-style-type: none"> 1. Access the website 2. Add product to cart by click that cart’s product 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		
Business Rules	N/A		
Other Information	N/A		

b.View cart

Use Case ID	UC - 06	Use Case Name	View cart
Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	Customer, Viewer	Secondary Actor	N/A
Trigger	Click on button icon cart to view		

Description	View what they add to cart before
Pre-conditions	Users must add product to cart before
Post-conditions	Display all product that add to cart beafore
Normal Flow	Click on button icon “cart”
Alternative Flow	N/A
Exceptions	N/A
Priority	High
Frequency of Use	High
Business Rules	
Other Information	N/A

c.Update cart

Use Case ID	Uc - 07	Use Case Name	Update cart
Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	Customer, Viewer	Secondary Actor	N/A
Trigger	Click on button icon “cart” and add more or remove		
Description	Add more or remove product from cart		
Pre-conditions	Users must add at least one product to cart before		
Post-conditions	Delete product add before or change the number of it		
Normal Flow	Click on button icon “cart”		

Alternative Flow	N/A
Exceptions	N/A
Priority	High
Frequency of Use	High
Business Rules	N/A
Other Information	N/A

d. Clear cart

Use Case ID	UC - 08	Use Case Name	Clear cart
Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	User	Secondary Actor	N/A
Trigger	Click on button “X” in Cart Icon at navigation.		
Description	Remove all product from cart		
Pre-conditions	Must have product in cart		
Post-conditions	N/A		
Normal Flow	<ol style="list-style-type: none"> 1. Go to View Cart 2. Click on button “X” to cancel 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		

Business Rules	
Other Information	N/A

4.Manage orders

a.Managed order

Use Case ID	UC - 09	Use Case Name	Managed order
Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	Admin	Secondary Actor	Users
Trigger	Click on the button “Managed order” at navigation.		
Description	Display all about order and status		
Pre-conditions	Logged in the system with account of admin or employee		
Post-conditions	Display the screen of all orders		
Normal Flow	<ol style="list-style-type: none"> 1. Logged in the system 2. Click on the button “Managed order” 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		
Business Rules			
Other Information	N/A		

b.Create order

Use Case ID	UC - 10	Use Case Name	Create order
Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	Users	Secondary Actor	N/A
Trigger	Click on the button “Checkout” at cart		
Description	Display form to fill and create an order		
Pre-conditions	<ol style="list-style-type: none">1. Logged in the system2. Have product at “cart”		
Post-conditions	Submit an order		
Normal Flow	<ol style="list-style-type: none">1. Add product before (after) logged in the system2. Click on the button “Checkout”3. Fill the form with information		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		
Business Rules			
Other Information	N/A		

c.View order

Use Case ID	UC - 11	Use Case Name	View order
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Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	Users	Secondary Actor	N/A
Trigger	Click on the button “Managed order”		
Description	Display all information contains order		
Pre-conditions	<ol style="list-style-type: none"> 1. Logged in the system 2. Click on the button “Managed order” 		
Post-conditions	View all information contains order		
Normal Flow	<ol style="list-style-type: none"> 1. Logged in the system 2. Click on the button “Managed order” 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		
Business Rules			
Other Information	N/A		

d.Update order

Use Case ID	UC - 12	Use Case Name	Update order
Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	Users	Secondary Actor	N/A
Trigger	Click on the button “Managed order” and then click on “Update” button		

Description	Add or remove some product of order, Change number or address
Pre-conditions	<ol style="list-style-type: none"> 1. Logged in the system 2. Must have product in cart
Post-conditions	Update successfully orders
Normal Flow	<ol style="list-style-type: none"> 1. Logged in the system 2. Must have product in cart
Alternative Flow	N/A
Exceptions	N/A
Priority	High
Frequency of Use	High
Business Rules	
Other Information	N/A

e.Cancel order

Use Case ID	UC - 13	Use Case Name	Cancel order
Created By	Bùi Doãn Đức Anh	Created Date	15/2/2023
Primary Actor	Users	Secondary Actor	N/A
Trigger	Click on the button “Managed order” and then click on “Cancel” button		
Description	Cancel the order		
Pre-conditions	Must submit order before		
Post-conditions	Successfully cancel an order		

Normal Flow	<ol style="list-style-type: none"> 1. Logged in the system 2. Click on “Managed orders” button 3. Click on “Cancel” button and confirm
Alternative Flow	N/A
Exceptions	N/A
Priority	High
Frequency of Use	High
Business Rules	
Other Information	N/A

5.Manage personal profile

a.View personal profile

Use Case ID	UC - 14	Use Case Name	View personal profile
Created By	Bùi Doãn Đức Anh	Created Date	
Primary Actor	Users	Secondary Actor	N/A
Trigger	Click on the button “Profile”		
Description	Display all information’s user		
Pre-conditions	Logged in the system		
Post-conditions	Display all information of that actor		
Normal Flow	<ol style="list-style-type: none"> 1. Logged in the system 2. Click on the “Profile” button 		
Alternative Flow	N/A		

Exceptions	N/A
Priority	High
Frequency of Use	High
Business Rules	
Other Information	N/A

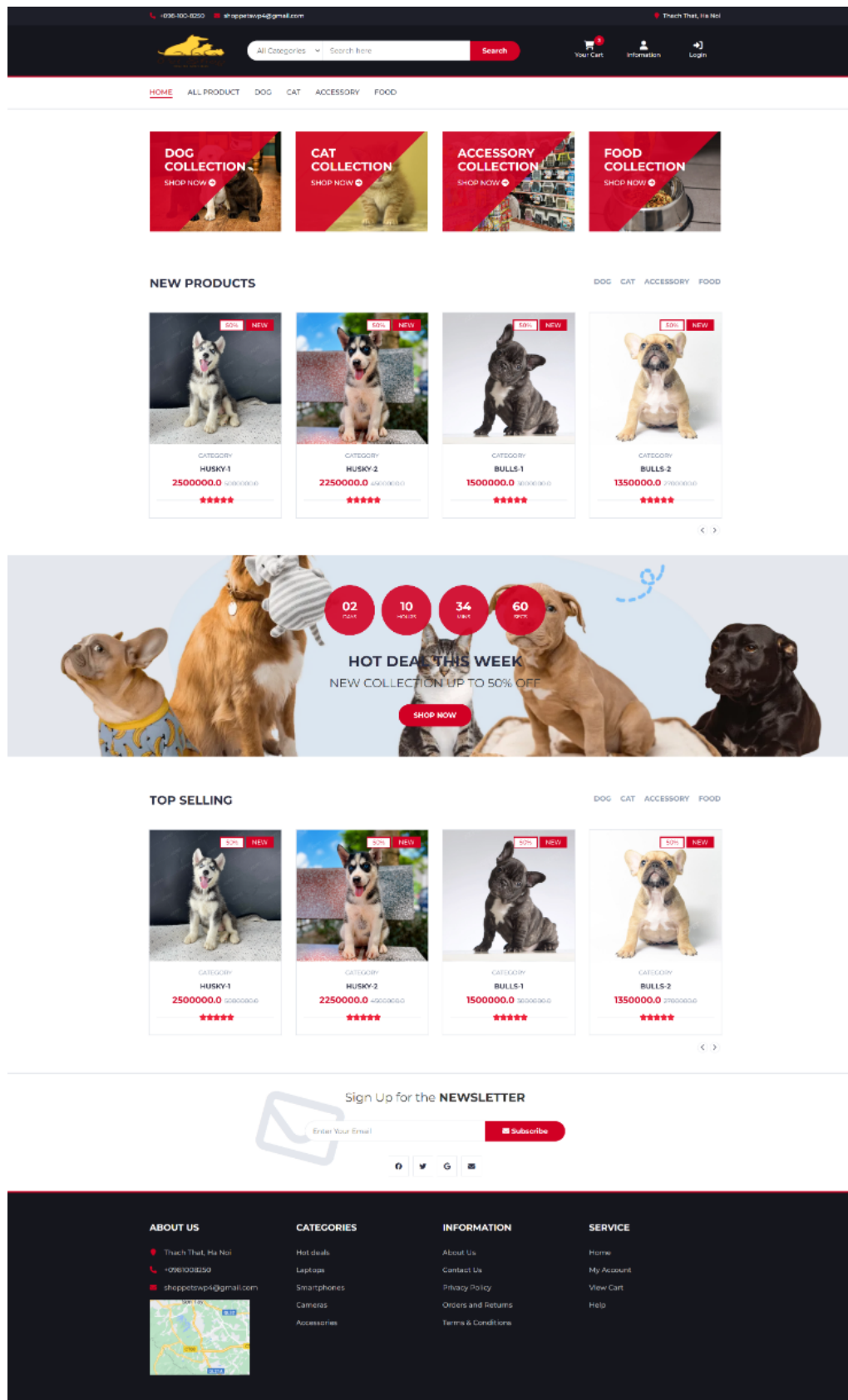
b.Update personal profile

Use Case ID	UC - 15	Use Case Name	Update personal profile
Created By	Bùi Doãn Đức Anh	Created Date	
Primary Actor	Users	Secondary Actor	N/A
Trigger	Click on the button “Update”		
Description	Display form to fill and update profile		
Pre-conditions	Logged in the system		
Post-conditions	Successfully update self-information		
Normal Flow	<ol style="list-style-type: none"> 1. Logged in the system 2. Click on “Profile” button 3. Click on “Update” button 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		

Business Rules	
Other Information	N/A

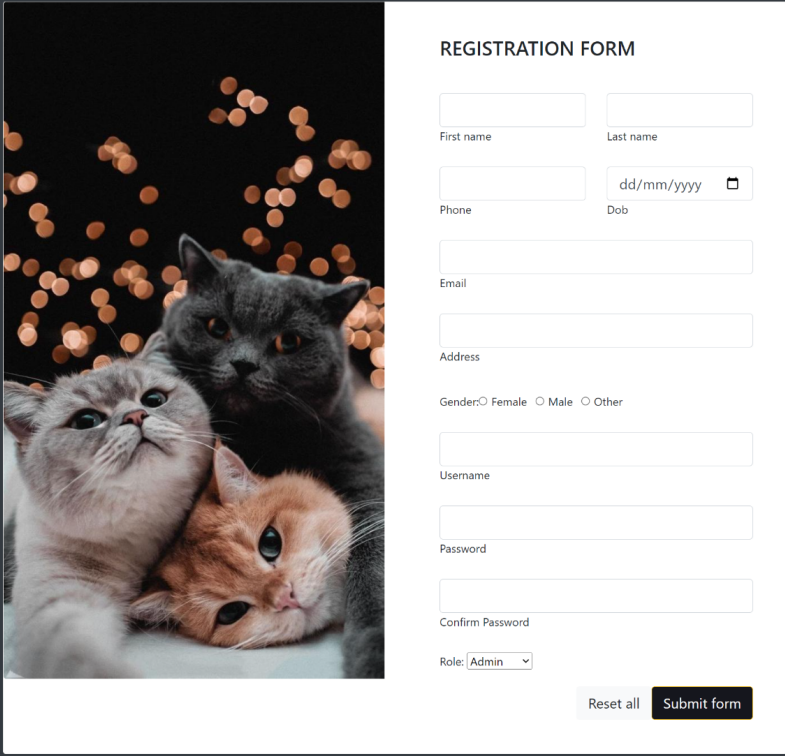
6.Common feature

a.View home page




Use Case ID	UC - 16	Use Case Name	Home Page
Created By	Khuất Đình Sáng , Truong Anh Ky	Created Date	15/2/2023
Primary Actor	Users	Secondary Actor	Admin
Trigger	This function is triggered when the user visits the website or the system homepage		
Description	To navigate the home page of the website and find the information or services they are looking for		
Pre-conditions	The website is accessible and the user has a device with an internet connection		
Post-conditions	The website visitor may continue to explore the website or leave the site if they have found what they were looking for.		
Normal Flow	1.The website visitor enters the URL of the website into their web browser. 2. The homepage is loaded and displays various information, including the website's name, logo, and navigation menu. 3.The website visitor selects a navigation option, such as clicking a link or using a menu, to access additional pages or features of the website.		
Alternative Flow	If the website is experiencing technical issues, such as slow loading times or broken links, the website visitor may not be able to access certain pages or features. In this case, they can try again later or contact the website owner for assistance.		
Exceptions	N/A		
Priority	High		
Frequency of Use	High		
Business Rules			
Other Information	N/A		

b.Register



REGISTRATION FORM

First name Last name


Phone Dob

Email

Address

Gender: ☐ Female ☐ Male ☐ Other

Username

Password

Confirm Password

Role: Admin

Use Case ID	UC - 17	Use Case name	Register
Created By	Nguyễn Thành Long	Created Date	3/2/2023
Primary Actor	Customer	Secondary Actor	N/A
Description	Check email, Check username, Register Account for User		
Trigger	Click on the button “Register” on the screen.		
Pre-conditions	The user must have a valid email address and phone number to create an account. The user must have access to the internet and a compatible device to access the registration page. The user must have a unique username that has not been used by any other user in the system.		

Post-conditions	<p>The user's registration information is stored securely in the database.</p> <p>The user is automatically logged in to the system and redirected to the home page.</p> <p>The user's account is activated and can be used to access all features of the system.</p> <p>If the user's registration information is invalid or incomplete, an error message is displayed, and the user is prompted to correct their information.</p> <p>The system checks that the user's email address and username are unique and have not been used to create another account.</p> <p>The registration form provides clear instructions and guidance for the user to complete the registration process.</p> <p>The user can easily access and update their registration information at any time from their account settings.</p>
Normal Flow	<p>The user accesses the registration page and is presented with a form to fill out.</p> <p>The user enters their personal information, such as their name, email address, and date of birth, into the appropriate fields.</p> <p>The user chooses a unique username and password and enters them into the appropriate fields. The user is notified if the chosen username is already taken or if the password does not meet the minimum security requirements.</p> <p>The user submits the registration form and the system verifies that all required fields are filled out correctly.</p> <p>The system checks the database to ensure that the chosen username and email address are not already in use.</p> <p>If the username and email are unique, the system creates a new account for the user and saves their information to the database.</p> <p>The user is redirected to the login page and prompted to log in with their newly created account.</p>
Alternative Flow	<p>User enters their email address and password, but the password doesn't meet the minimum complexity requirements (e.g. length, special characters).</p> <p>User fills out the registration form, but their browser session expires or they lose internet connection before submitting.</p> <p>User fills out the registration form, but some required fields are missing or contain invalid data. The system displays an error message and highlights the fields that need to be corrected. The user makes the necessary changes and resubmits the form.</p>

Exceptions	N/A
Priority	High
Frequency of Use	High
Business Rules	
Other Information	N/A

c.Login

Username

Password

☒ Remember me

[Forgot password?](#)


Sign in

OR

Continue with Facebook

Continue with Twitter

Use case ID	UC - 18	Use case name	Login
Created By	Phạm Minh Hoàng	Created Date	15/2/2023

Primary actor	Admin, Employee	Secondary actor	Users
Trigger	Triggered when an actor clicks on the “Login” button.		
Description	Actors use this function to login with their account		
Pre-conditions	<ol style="list-style-type: none"> 1. Actors are not log in 2. Actors have an own account 		
Post-conditions	<ol style="list-style-type: none"> 1. Actors logged in the systems 2. The system save actor’s account on session 		
Normal Flow	<ol style="list-style-type: none"> 1. Access website feature of actor’s role without log in status (action) 2. Click on “Login” button in navbar at header (action) 3. After click on “Login” button in header navbar, System will send direct to login page and display form login (resp) 4. Fill username and password (action) 5. Click on “Login” button under text box to submit data (action) 6. After submit date and login successful send direct to home page (resp) 		
Alternative Flow	N/A		
Exceptions	<ul style="list-style-type: none"> - E1: If actors click on  button (after step 3) Send direct to previous page without any change - E2 : If don’t fill full information (after step 5) Pop up message “Login fail” 		
Priority	High		
Frequency of Use	Normal		
Business Rules	N/A		
Other Information	N/A		

d. Logout

Use case ID	UC - 19	Use case name	Logout
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Created By	Phạm Minh Hoàng	Created Date	15/2/2023
Primary actor	Admin, Employee	Secondary actor	Users
Trigger	When the actor clicks on the “Logout” button.		
Description	Actors use this function to logout their account out of system		
Pre-conditions	1. Actor are logged in system		
Post-conditions	1. Actors logout their account out of system 2. Successful logout and end actor’s session		
Normal Flow	1. Actor click on “Logout” button at header (action) 2. System will send direct to home page (resp)		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	Normal		
Business Rules	N/A		
Other Information	N/A		

e.Forgot password

Forgot Password

Email Address

SUBMIT



Use case ID	UC - 19	Use case name	Forgot Password
Created By	Nguyễn Thành Long	Created Date	15/2/2023
Primary actor	Admin, Employee	Secondary actor	Users
Trigger	This function is triggered when the user clicks “Forgot password”		
Description	To reset a forgotten password and regain access to the user's account.		
Pre-conditions	The user has an account with the system and is unable to login due to a forgotten password.		
Post-conditions	Successfully reset password		
Normal Flow	<ol style="list-style-type: none">1.The user clicks on the "Forgot Password" link on the login page.2. The system presents a page for the user to enter their registered email associated with the account.3.The user enters their registered email address or username and clicks on the "Reset Password" button.4. The system verifies the email address and sends a code to the registered email address.5. the user will go to the email to get that code and then enter it in input6. The system presents a page for the user to enter a new password.7. The user enters and confirms the new password and clicks on the "Submit" button.8. The system updates the user's account with the new password and redirects the user to the login page.		

	9. The user logs in with the new password and regains access to their account.
Alternative Flow	1.If the user enters an invalid email address or username, the system displays an error message and prompts the user to enter valid details. 2.If the user does not receive the password reset email, they may need to check their spam folder or contact the system's support team for assistance.
Exceptions	N/A
Priority	Medium
Frequency of Use	rarely
Business Rules	
Other Information	N/A

f.Product detail

[HOME](#)
[ALL PRODUCT](#)
[DOG](#)
[CAT](#)
[ACCESSORY](#)
[FOOD](#)

HOME / BULLS / BULLS-2

BULLS-2

Code: dog1-2
Origin: France
Dob: 2022-02-02
HealthStatus: good
Gender: Female
Weight: 38.3
Color: gloden
Vaccinated:true
Identifiy:gloden

★★★★☆ 10 Review(s) | Add your review

1350000.0 2700000.0

[ADD TO CART](#)

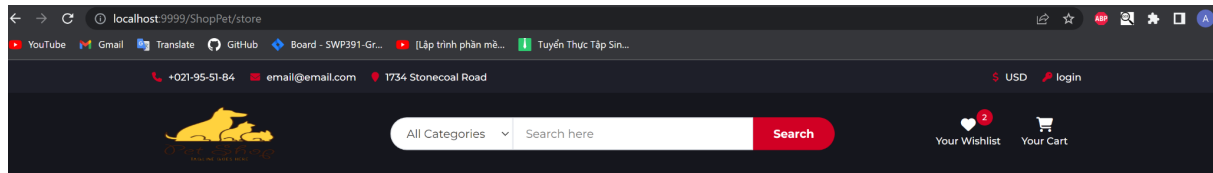
CATEGORY: BULLS

SHARE: [Facebook](#) [Twitter](#) [Google](#) [Email](#)

Description

The Bulldog is a medium-sized breed of dog that originated in England. It is a muscular and sturdy dog with a distinctive wrinkled face, broad shoulders, and a compact body. Bulldogs have a short, smooth coat that can come in various colors, such as white, fawn, brindle, and pied. Bulldogs are known for their loyal, courageous, and affectionate nature. They are often described as gentle and friendly dogs that love to be around their owners and families. Despite their tough appearance, they are not typically aggressive towards people and are often considered good family pets.

Use case ID	UC - 20	Use case name	Product detail
Created By	Truong Anh Ky	Created Date	15/2/2023
Primary actor	Admin, Employee	Secondary actor	Users
Trigger	When the actor clicks on a product at home page		
Description	View all contains information about that product		
Pre-conditions	N/A		
Post-conditions	N/A		
Normal Flow	<ol style="list-style-type: none"> 1. Access the website 2. Click on a product 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	Normal		
Business Rules	N/A		
Other Information	N/A		



CATEGORIES

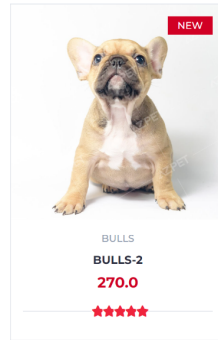
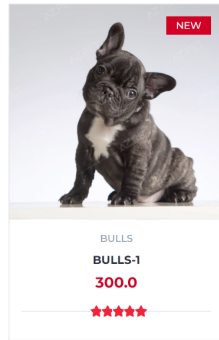
- ☐ DOG
☐ CAT
☐ ACCESSORY
☐ FOOD

COLOR

- ☐ Black
☐ White
☐ Yellow
☐ Orange
☐ Silver
☐ Golden

Filter

Sort By Price



Use case ID	UC - 21	Use case name	Search
Created By	Truong Anh Ky	Created Date	15/2/2023
Primary actor	Admin, Employee	Secondary actor	Users
Trigger	When the actor access the website		
Description	Searching by product product or category		
Pre-conditions	N/A		
Post-conditions	N/A		
Normal Flow	<ol style="list-style-type: none"> 1. Access the website 2. Click on the button under search bar to choose option search 3. Fill search bar 4. Click on search 		
Alternative Flow	N/A		

Exceptions	N/A
Priority	High
Frequency of Use	Normal
Business Rules	N/A
Other Information	N/A

7. Managed product

a. Add product

Use case ID	UC - 22	Use case name	Add product
Created By	Truong Anh Ky	Created Date	15/2/2023
Primary actor	Admin	Secondary actor	N/A
Trigger	When the admin click on “Add” button in “Managed product”		
Description	Add a new product		
Pre-conditions	1. Logged in the system with Admin role		
Post-conditions	Successfully add product in to database		
Normal Flow	<ol style="list-style-type: none"> 1. Access the website 2. Logged in system with Admin role 3. Click on the “Managed product” button 4. Click on the “Add” button 5. Fill the form 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		

Frequency of Use	Normal
Business Rules	N/A
Other Information	N/A

b. View product

Use case ID	UC - 23	Use case name	View product
Created By		Created Date	15/2/2023
Primary actor	Admin, Employee	Secondary actor	Users
Trigger	When the actors access the website		
Description	View all product and details of them		
Pre-conditions	1. Access the website		
Post-conditions	N/A		
Normal Flow	N/A		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	Normal		
Business Rules	N/A		
Other Information	N/A		

c. Update product

Use case ID	UC - 24	Use case name	Update product
Created By		Created Date	15/2/2023
Primary actor	Admin	Secondary actor	N/A
Trigger	When the admin click on "Update" button in "Managed product"		
Description	Update product and details of them		
Pre-conditions	Logged in the system with Admin role		
Post-conditions	Successfully update product in database		
Normal Flow	<ol style="list-style-type: none">1. Access the website2. Logged in system with Admin role3. Click on the "Managed product" button4. Click on the "Update" button5. Fill to change details, quantity of product		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	Normal		
Business Rules	N/A		
Other Information	N/A		

c. Delete product

Use case ID	UC - 25	Use case name	Delete product
Created By		Created Date	15/2/2023

Primary actor	Admin	Secondary actor	N/A
Trigger	When the admin click on “Delete” button in “Managed product”		
Description	Delete product from database		
Pre-conditions	Logged in the system with Admin role		
Post-conditions	Successfully delete product in database		
Normal Flow	<ol style="list-style-type: none"> 1. Access the website 2. Logged in system with Admin role 3. Click on the “Managed product” button 4. Click on the “Delete” button 		
Alternative Flow	N/A		
Exceptions	N/A		
Priority	High		
Frequency of Use	Normal		
Business Rules	N/A		
Other Information	N/A		

IV. Non-Functional Requirements

1.External Interface

a.User Interfaces

UI-1: The user can log in the system as Admin, Employee or Customer role.

UI-2: The GUI is suitable for display on the computer.

UI-3: The layout of the screen is streamlined, easy to operate, and implemented for the user.

UI-4: Use icons to provide visual insights to users.

UI-5: The text colour should be black except for some special texts.

UI-6: Tables appearing on the system must have filter and sort functions.

UI-7: Buttons, links, checkboxes, radio buttons are easy to click to use.

b. Hardware Interfaces

No hardware interfaces have been identified. (mô tả yêu cầu phần cứng để kết nối nếu có)

c. Communication Interfaces (mô tả cách thức giao tiếp giữa ng dùng và hệ thống)

CI-1: The system shall send an email to the user's email to get a new password when the user forgot their account password.

CI-2: Users use a mouse to communicate with applications to handle functions that use need.

CI-3: The system shall display a text message to notify about the result of the function that the user performed.

2. Quality Attributes

a. Usability

- The language is considered as a world language (English) with simple words
- The Front-end web application should support Chrome browsers.
- The function is divided into menu items for easier access.

b. Availability

- N/A

c. Performance

- All pages have loading speed less than 3 seconds on average

d. Security

- N/A

e. Safety

- The system shall not spread viruses into the devices of users.
- The system shall not include any harm information for users.
- The system shall notify the user to confirm when performing any function that affects the database.

f. Support Documents

- Class libraries, framework, etc shall be described

V. Requirements Appendix

1. Business Rules

ID	Rule Definition
BR-01	Only verified users can log in successfully and access the system

BR-02	Users only can access information that belongs to their own, except admin.
BR-03	Employee only login with an account that is provided by admin
BR-04	Each user has exactly one role.
BR-05	Each email is only registered for one user.
BR-06	Email must be the right format: "abc123@example.com".
BR-07	The username must be unique.
BR-08	Passwords must be encrypted.
BR-09	When registering or changing a password, the user must enter the password twice.
BR-10	The date of birth must be before the current time.
BR-11	All lists must be displayed with the pagination.
BR-12	The admin is only allowed to reset password when the admin receives a request by the user.
BR-13	Only create order when have product in cart and logged in the system
BR-14	Each pet only have only one

2. Common Requirement

- The pop-up form is used for functions such as viewing, adding, editing, and deleting.
- Account in the database is not deleted when using the delete function; instead, it is changed from active to inactive.
- The system must display the result of performing a data-related function at the end of the function.

3.Application Messages List

ID	Type	Context & Content
M-01	In red, under the text box	The user does not select or enter required field
M-02	In red, under the text box	The user entered an email invalid
M-03	In red, under the text box	The user entered an existing email in the database
M-04	In red, under the text box	The user entered an existing username in the database
M-05	In red, under the text box	The user entered a username invalid or wrong form
M-06	In red, under the text box	The user entered password invalid

M-07	In red, under the text box	The user entered phone invalid
M-08	In red, under the text box	The user entered a password has length less than 8 characters or greater than 20 characters
M-09	In red, under the text box	The user entered a re-password does not match with password
M-10	In green, on alert	User edited account successfully
M-11	In green, on alert	User reset password of account successfully
M-12	In green, on alert	Create order successful

Date	A* M, D	In charge	Change Description
5/1/2023	A	Create new SRS	Create new
	A	Thành Long	User Register
	A	Minh Hoàng	Login
	A	Minh Hoàng	Logout
	A	Đình Sáng	Forgot Password
	A	Thành Long	Change Password
	A	Anh Kỳ	Store,View, Filter, Search Product
	A	Minh Hoàng	Listing Category and SubCategory
	A	Đình Sáng	Home Page
	A	Minh Hoàng	Listing Product
	A	Đình Sáng	CRUD (create read, update, delete) product
	A	Đình Sáng	View, Filter, Search Order
	M	Anh Kỳ	Product Detail, List Product Detail

*A - Added M - Modified D - Deleted