

Project Assignment 03
Use-Case Specifications

Version 1.1

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Revision History

Date	Version	Description	Author
19/06/2022	1.0	The Use-Case Specification of website buying system	All member of Group 03
03/07/2022	1.1	Edit use case specification.	All member of Group 03

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1. Use-case Model



2. Use-case Specifications

2.1 Use Case: Login account

Use case Name	Login account
Brief description	This use case describes how the Customer login the account
Actors	Customer and manager
Basic Flow	<ol style="list-style-type: none"> 1. Assigning the website 2. System shows the login page 3. The user enters name / email and password 4. User clicks 'Login' button 5. System checks the information of customer 6. System will announce the user login successfully and go to the shopping page
Alternative Flows	Alternative flow 1: User does not click Login <ol style="list-style-type: none"> 1. From #4 of the basic flow, user clicks 'Enter' button 2. Continue step #5 in the basic flow

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	<p>Alternative flow 2: System finds the account invalid</p> <ol style="list-style-type: none"> 1. From #5 of the basic flow, if the account is not in the system. 2. System will announce the user login unsuccessfully 3. Back to step #3 in the basic flow <p>Alternative flow 3: User can not use the special symbols</p> <ol style="list-style-type: none"> 1. From #3 of the basic flow, customer enter special symbols like: backspace,!,*,... 2. System will check and notice warning 3. Back to step #3 in the basic flow
Pre-conditions	Customer had the phone number or email
Post-conditions	The user logs in successfully and can surf websites, go shopping online,...

2.2 Use Case: Sign up account

Use case Name	Sign up account
Brief description	This use case describes how the Customer sign up the account
Actors	Customer and manager
Basic Flow	<ol style="list-style-type: none"> 1. Assigning the website 2. User selects and clicks 'Sign up' field 3. System shows the sign up page 4. The user enters name / email or sign up by Facebook account 5. System checks a verifiable existence of email/account 6. System will send a number to verify an account 7. User enter verify number 8. User enter the password for the account 9. User clicks 'Sign up' button 10. System will announce the user sign up successfully and switch to the login page
Alternative Flows	<p>Alternative flow 1: User does not click Sign up</p> <ol style="list-style-type: none"> 1. From #9 of the basic flow, user clicks 'Enter' button 2. Continue step #10 in the basic flow <p>Alternative flow 2: System finds valid email or account in system</p> <ol style="list-style-type: none"> 1. From #5 of the basic flow, if the email or account exists in the system. 2. System will ask the customer again that is customer's account or email <ul style="list-style-type: none"> - If that is right then continue for surfing website - On the contrary, back to step #4 in the basic flow <p>Alternative flow 3: User can not use the special symbols</p> <ol style="list-style-type: none"> 1. From #4 of the basic flow, customer enter special symbols like: backspace,!,*,... 2. System will check and notice warning 'Can not include special symbols' 3. Back to step #4 in the basic flow
Pre-conditions	Customer do not have the account in the system
Post-conditions	The user sign up successfully

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2.3 Use Case: Change password

Use case Name	Change password
Brief description	This use case describes how the Customer change password for their account
Actors	Customer and manager
Basic Flow	<ol style="list-style-type: none"> 1. Assigning the website and login (describe login on the above) 2. System shows the home page 3. The user chooses 'My account' and clicks 'Change password' 4. User enters current password, new password, confirmed new password field 5. User clicks 'Confirm' button 6. System will announce the user change password successfully and switch to the login page
Alternative Flows	<p>Alternative flow 1: User enters new password less than 6 characters</p> <ol style="list-style-type: none"> 1. From #4 of the basic flow, user enters password less than 6 characters 2. System will notice warning 'The password should have more than 6 characters' 3. Back to the step #4 of basic flow <p>Alternative flow 2: User enters wrong current password</p> <ol style="list-style-type: none"> 1. From #4 of the basic flow, user enters wrong current password 2. System will notice warning 'Invalid login, please try again' 3. Back to the step #4 of basic flow <p>Alternative flow 3: User enters new password and confirmed new password not match</p> <ol style="list-style-type: none"> 1. From #4 of the basic flow, user enters enters new password and confirmed new password not match 2. System will notice warning 'These passwords do not match' 3. Back to the step #4 of basic flow
Pre-conditions	Customer had the account in the system
Post-conditions	The user change password successfully

2.4 Use Case: Sort Product by Filter

Use case Name	Sort product by filter
Brief description	This use case describes how the Customer sort to find a product
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. Assigning the website and login (describe login on the above) 2. System shows the home page 3. User clicks a finding box box and type name of a product want to find 4. User chooses 'Find' for starting to find 5. User chooses filter sorting by: brand, price, rating,... 6. User clicks 'Apply' to sort 7. System will show sorted list products

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Alternative Flows	Alternative flow 1: User does not click Apply <ol style="list-style-type: none"> From #6 of the basic flow, user clicks 'Enter' button Continue step #7 in the basic flow
Pre-conditions	Customer had the account in the system
Post-conditions	The user will find the sorted list of product for their demand

2.5 Use Case: Show sold-out information

Use case Name	Show sold-out information
Brief description	This use case describes the case when products are out of stock.
Actors	Manager and customer
Basic Flow	<ol style="list-style-type: none"> User chose a product. Page will show out available amount of that product. Users select the amount of product they want. System will check the number of products chosen by the user and the remaining stock in inventory. if available, user click add to cart or buy now from our page.
Alternative Flows	Alternative flow 1: Products User bought was greater than the amount of system. <ol style="list-style-type: none"> From #3, system will announce to User for requiring a new value which is less than amount remaining in inventory Simultaneously, Users cannot click buy now, but can add to cart.. Users re-enter a new value. System allows the 'adding to cart' button. Alternative flow 2: Products are out of stock from the beginning. <ol style="list-style-type: none"> From the first step, the user cannot order that product, but also can see the details. The add-to-cart button and buy now button were locked. User received an announcement of an out-of-stock product. Alternative flow 3: Users still want to buy that product. <ol style="list-style-type: none"> Users can contact us through customer's support. Sellers can check the inventory or import more products.
Pre-conditions	User first has the account (for individual identity).
Post-conditions	Users are satisfied with their wonders though products are still sold out.

2.6 Use Case: Add to cart

Use case Name	Add to cart
Brief description	Customers can select items to purchase without actually completing payment.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> Customer visits the website and wants to order some products. Customer logs into the website. Customer chooses a product they wish to buy and clicks the 'Add to cart' button Customer is brought to the shopping cart page and displayed the items they have chosen to buy

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Alternative Flows	Alternative flow 1: Products already in the cart. 1. Show the product symbol that already exists in the cart
Pre-conditions	Customers have registered an account in the system and have logged in to the website.
Post-conditions	The item has been added to the Customer's cart

2.7 Use Case: Send notices to customers

Use case Name	Send notices to customers.
Brief description	This use case describes the case when products are out of stock.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. Customer visits the website and wants to order some products. 2. Customer logs into the website. 3. Customer receives notifications from the website 4. Customer clicks on the notification icon 5. The system will display the detailed content of the message 6. Customer will be redirected to another page
Alternative Flows	Alternative flow 1: Customer doesn't click on the notification icon 1. From #3, Notifications will be cumulative with old notifications
Pre-conditions	Customers have registered an account in the system and have logged in to the website.
Post-conditions	Customers receive a notification from the system.

2.8 Use Case: Send notices to managers.

Use case Name	Send notices to managers.
Brief description	This use case describes the case when products are out of stock.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. Customer visits the website and wants to order some products. 2. Customer logs into the website. 3. Customer uses the services of the system 4. Notice will be forwarded to managers
Alternative Flows	Alternative flow 1: Manager doesn't click on the notification icon 1. From #3, Notifications will be cumulative with old notifications
Pre-conditions	Managers have registered an account in the system and have logged in to the website.
Post-conditions	Managers receive a notification from the system.

2.9 Use case: Show information of account.

Use case Name	Show information of account
Brief description	This use case describes how a customer can see their information online.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. Customers visit the website. 2. Customer logs in the website. 3. Customers click on the avatar on our page. 4. System will direct that action to a new page that includes their information.

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Alternative Flows	<p>Alternative flow 1: Manager doesn't click on the avatar icon</p> <ol style="list-style-type: none"> 1. Nothing happens. <p>Alternative flow 2: Users fill out with fake information.</p> <ol style="list-style-type: none"> 1. Systems must have the identifying methods to identify the real information. (like electronic bills, citizen identification,...) 2. Our staff will check and confirm that information. <p>Alternative flow 3: Lack of necessary information.</p> <ol style="list-style-type: none"> 1. System will send a notification to the account usually. 2. Users can see that notification in the notification icon.
Pre-conditions	Users must have an account registered in our system.
Post-conditions	Users fill out enough information.

2.10 Use case: Edit account

Use case Name	Editing account.
Brief description	This use case describes how a user can edit their information if their information is wrong..
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. Customers visit the website. 2. Customer logs in the website. 3. Customers click on the avatar on our page. 4. System will direct that action to a new page that includes their information. 5. Users can edit their account with the 'Edit' button besides each information. 6. After editing, users need to save by 'Save' button and reload the page.
Alternative Flows	<p>Alternative flow 1: Manager doesn't click save button</p> <ol style="list-style-type: none"> 1. All the information will be lost if the page was reloaded. 2. If any information was edited before reloading, Our systems will send a notification to ensure that customers want to reload the page. <p>Alternative flow 2: User disconnected to our system.</p> <ol style="list-style-type: none"> 1. Our system will save a draft of that information. 2. When the user reconnects, Our System will ask again to the user if they want to continue editing. <p>Alternative flow 3: Users delete all information.</p> <ol style="list-style-type: none"> 1. if that information was confirmed, System would block this action. 2. Else then, User was allowed to delete all information.
Pre-conditions	Users must have an account registered in our system.
Post-conditions	Users edit the information successfully.

2.11 Use case: Delete account.

Use case Name	Deleting account.
Brief description	This use case describes how a customer or admin can delete their information.
Actors	Customer and Manager.
Basic Flow	<ol style="list-style-type: none"> 1. Users and Admin must log in the system. 2. If a user wants to delete their account, he needs to find this function in their account.

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	<ol style="list-style-type: none"> Users click on the 'delete account' button. System will send a notification to ensure that the user wants to delete their account. If it is ensured, an deleting requirement will be sent to admins. The interval to solve this request is about 14 days. If the Request interval was beyond 14 days and the user does not come back, Admin will allow deleting that account.
Alternative Flows	<p>Alternative flow 1: Users come back within 14 days from the time User send deleting request.</p> <ol style="list-style-type: none"> Our system needs to detect the IP and ask the user if they need to recover their account. If not, Customer needs to register a new account. <p>Alternative flow 2: User does click on 'No' button on the account-deleting-confirmation notification.</p> <ol style="list-style-type: none"> Request deleting account was canceled. <p>Alternative flow 3: Users want to order products while deleting account intervals.</p> <ol style="list-style-type: none"> The staff need to contact the customer.
Pre-conditions	Users must have an account registered in our system.
Post-conditions	Users delete their account successfully.

2.12 Use case: View order

Use case Name	View order
Brief description	To view orders from the web application
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> The customer adds the order into the shopping cart bi clicking the button of 'add to cart'. The system updates the shopping cart. The customer enters the shopping cart zone by clicking the URL of the shopping cart. The system displays a shopping cart by listing the name, price and quantity of the order. The customer checks out the order by clicking the button 'check out'. The system calculates the total amount and displays the order. The customer provides shipping information of the order by inputting the address. The system displays payment methods of the order. The customer pays for the order by inputting credit card information. The system confirms the order.
Alternative Flows	<p>Alternative flow 1: The customer updates the quantity of order by inputting quantity</p> <p>Alternative flow 2: The system updates shopping cart</p> <p>Alternative flow 3: The customers receive a discount of the order by inputting a coupon code.</p> <p>Alternative flow 4: The system recalculates the total amount of shopping cart</p>
Pre-conditions	Users must have an account registered in our system.

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Post-conditions	<ol style="list-style-type: none"> 1. The system saves the order. 2. The system processes the order.
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2.13 Use case: Checkout Item

Use case Name	Checkout Item
Brief description	Check out the help you row can be fast and easy payment
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. Displays expenses incurred during the stay. 2. Enter the costs incurred by the customer into the system. 3. Check the cost information and reconfirm with the customer. 4. Confirm payment method with customer.
Alternative Flows	Alternative flow 1: The customer has not provided enough information <ol style="list-style-type: none"> 1. From #2, Go to another page and ask the customer to fill in the details
Pre-conditions	Customers must have an account registered in our system.
Post-conditions	Returns the sum of the cart's line item prices after any line item discounts.

2.14 Use case: Edit product (edit information of product, delete or add product)

Use case Name	Edit product
Brief description	Adjust store product related information such as product name, price and can remove or add product to the store
Actors	Manager
Basic Flow	<ol style="list-style-type: none"> 1. Admin choose edit -> product on page for the admin when login is complete 2. Select the product to edit 3. When select the product to edit, all information of product show to the Admin 4. Admin changed the information of product -> Save edit 5. When the admin choose delete product, the product will show minus tick box, Admin choose product to delete and confirm delete 6. When the admin choose add product, on page will show all information the admin need type -> Admin type all the information of product and select save to save product
Alternative Flows	Alternative flow 1: Manager doesn't click to edit services <ol style="list-style-type: none"> 1. Nothing happens Alternative flow 2: Manager type edit services not enough <ol style="list-style-type: none"> 1. System will be notified to Admin for Admin to complete all information. Alternative flow 3: Manager doesn't click save button <ol style="list-style-type: none"> 1. All the information of product will be lost if the page was reloaded 2. System will be notified to Admin if Admin click anything on page and show to Admin need select save to complete
Pre-conditions	Admin must be login to the shop
Post-conditions	The product is edited the information successfully

2.15 Use case: Show the products statistics

Use case Name	Show the products statistics
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Brief description	Statistics on the number of products sold and remaining in stock
Actors	Managers
Basic Flow	<ol style="list-style-type: none"> Admin choose 'statistic' -> product on page for the admin when login is complete The number of products will appear according to different types Manager can search the product name by typing in the search box to see the quantity of the product
Alternative Flows	Alternative Flows 1 : Account is not manager account <ol style="list-style-type: none"> No item 'Statistic'
Pre-conditions	Account must be the manager account
Post-conditions	All information about the quantity and type of item of the product will be listed

2.16 Use case: Show the sales statistics

Use case Name	Show the sales statistics
Brief description	Revenue statistics by day, by month, by year
Actors	Managers
Basic Flow	<ol style="list-style-type: none"> Managers choose 'statistic' -> 'Sales' on page for the admin when login is complete A calendar will appear. Customers will choose the date they want statistics. Then the system will print out a table of sales statistics and best-selling products for the manager Manager can also search by invoice code.
Alternative Flows	Alternative Flows 1 : Account is not manager account <ol style="list-style-type: none"> No item 'Statistic' Alternative Flows 2 : Choose a time period that is too long compared to the present <ol style="list-style-type: none"> The system only stores data for 1 year
Pre-conditions	Account must be the account Manager
Post-conditions	Manager can view invoices and revenue

2.17 Use case: Coupon

Use case Name	Coupon
Brief description	This use case is used to add and remove vouchers, for customers to enter and make discounts product
Actors	Manager
Basic Flow	<ol style="list-style-type: none"> Admin choose edit -> coupon on page for the admin when login complete In the middle page will show all tools of the shop had, Beside tools for help to delete, add voucher to type When Admin chooses a voucher to edit information -> Choose update to save edit. When choosing delete voucher, the services on page will show minus, Admin choose services to delete and confirm delete
Alternative Flows	Alternative flow 1: Manager doesn't click to edit coupon

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	<ol style="list-style-type: none"> Nothing happens. <p>Alternative flow 2: Manager type edit coupon not enough</p> <ol style="list-style-type: none"> System will be notified to Admin for Admin to complete all information. <p>Alternative flow 3: Manager doesn't click save button</p> <ol style="list-style-type: none"> All the information of services will be lost if the page was reloaded System will be notified to Admin if Admin click anything on page and show to Admin need select save to complete
Pre-conditions	Admin must be login to the shop
Post-conditions	The database in system will be changed when admin update database

2.18 Use case: Search Products

Use case Name	Searching products
Brief description	When customers check all products and select what product they want to buy -> they need a function to find the products
Actors	Customers
Basic Flow	<ol style="list-style-type: none"> When customer in page seller, customer select the bar button Customer fill out the bar whatever they want to find. The system returns the results, shows out products relating to the concepts of the customer demands. User choose a products in our results.
Alternative Flows	<p>Alternative flow 1: Customer does not find product.</p> <ol style="list-style-type: none"> The system show arbitrary products. <p>Alternative flow 2: The searching progress is hanged out.</p> <ol style="list-style-type: none"> Customer must check the connection or reload the page.
Pre-conditions	None
Post-conditions	The system shows the products exactly as user expectation.

2.19 Use case: Rating and Comment Product

Use case Name	Rating and Comment Product
Brief description	This use-case describes how user Rating and comment product of shop on website
Actors	Customers
Basic Flow	<ol style="list-style-type: none"> When customer viewing product, customer select this product, and roll this page end site Customers fill out the bar where they can comment. After that, they can see button rating from 1 to 5 stars of product When customers comment, to complete that. They should tick the button Comment of the right bar comment. When customers rate products. They should tick 1 from 5 stars of product
Alternative Flows	<p>Alternative flow 1: Customer does not tick button to complete comment</p> <ol style="list-style-type: none"> The system shows notifications to customers when they want out this comment.
Pre-conditions	Customer must be login in website
Post-conditions	Customer can confess their products want to buy or they bought

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2.20 Use case: View detail of product

Use case Name	View detail of product
Brief description	This use-case describes how user can view detail of others products
Actors	Customers
Basic Flow	<ol style="list-style-type: none"> 1. Customer select products on the website 2. On their screen they can see detail of product 3. (Optional) If they want see full detail of product, They should be click show more button
Alternative Flows	None
Pre-conditions	None
Post-conditions	Customer can see detail of product