DECEMBER 4, 2024

SYSTEM REQUIREMENT SPECIFICATION

DEMO MY WEB — VERSION 2.0

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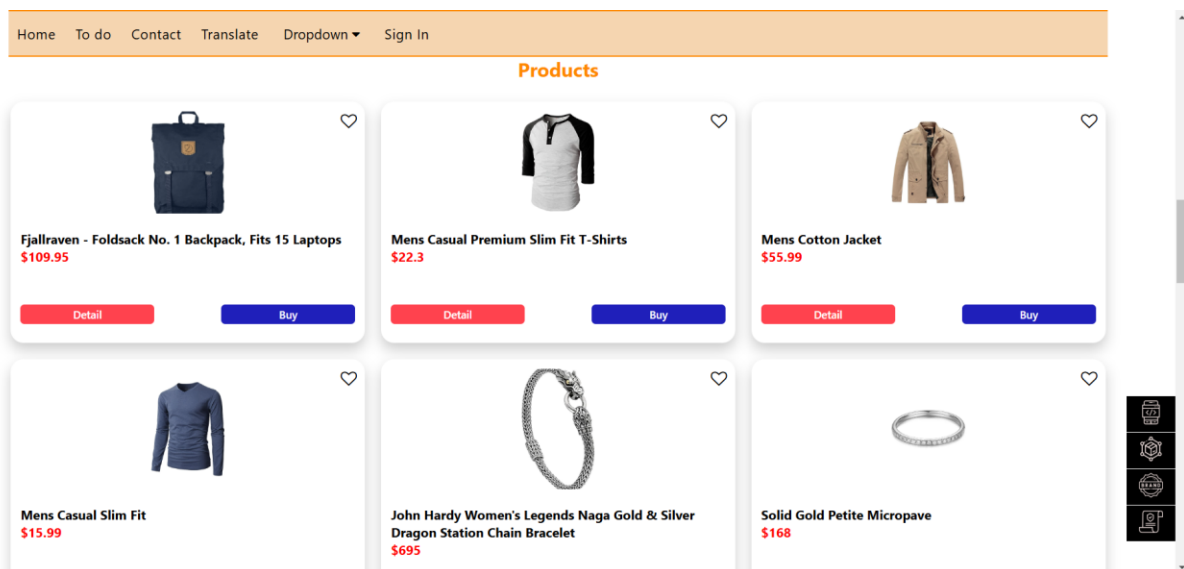
E-commerce

UC1: Buy Product

Basic flow

1	User access to the system
2	The system displays all products on the home page
3	The user chooses a product and clicks the buy button
4	The number of carts updated on top header
5	The flow end

Mock-up screen:

Business rule:

BR-1	User can buy the same items and the number of items will increase n quantity and the total price is changed in the cart
BR-2	User can buy different items and each item only has 1 quantity.

UC2: Calculate Cart
Basic flow

1	The user clicked buy some products
2	The user clicks the cart icon on the top header
3	The system shows the cart page
4	The user fills in customer information and clicks the checkout button
5	The user orders successfully and navigates the checkout page
6	The user clicks back to home button

Exception flow (The user doesn't buy the product)

1	The user clicks the cart icon on the top header
2	The system shows the cart page
3	The user clicks the clear cart button and back to the home page
4	The flow end

Mock-up screen

Business rule:

BR-3	The user doesn't click buy an item, and the user can't navigate the checkout page
BR-4	User doen't fill form customer detail. The system displays an error message ME001: "All fields are required!"
BR-5	User inputs name less than 2 words. The system displays an error message ME002: "The username must be more than one word"
BR-6	User inputs email address must be correct format. If not, display the error message ME003: "The email address is invalid"
BR-7	User inputs a phone less than 10 digits. If the user doesn't, display the error message ME004:" Phone number is invalid"
BR-8	User doesn't input the address. The system displays an error message ME005:"The address is invalid"
BR-9	User doesn't input the province. The system displays an error message ME006:" The province is required"
BR-10	User doesn't input the district. The system displays an error message ME007:"The district is required"

UC3: Checkout Products
Basic flow

| 1	The user clicks the checkout button on the cart page
2	The system navigates to the checkout page
3	The user clicks the back to the home button
4	The system navigates to the home page
5	The flow end

Mock-up screen
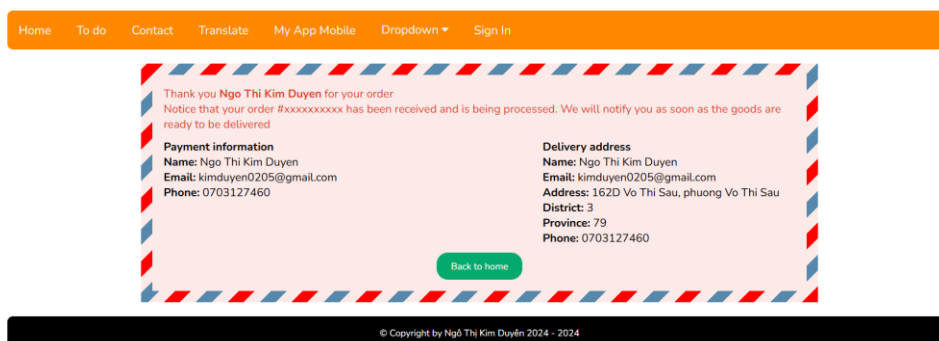
UC4: Detail Product
Basic flow

|	
1	User access to the system
2	The system displays all products on the home page
3	The user chooses an item and clicks the detail button
4	The system shows content detail
5	The user clicks the close icon to exit the detail
6	The flow end

Mock-up screen
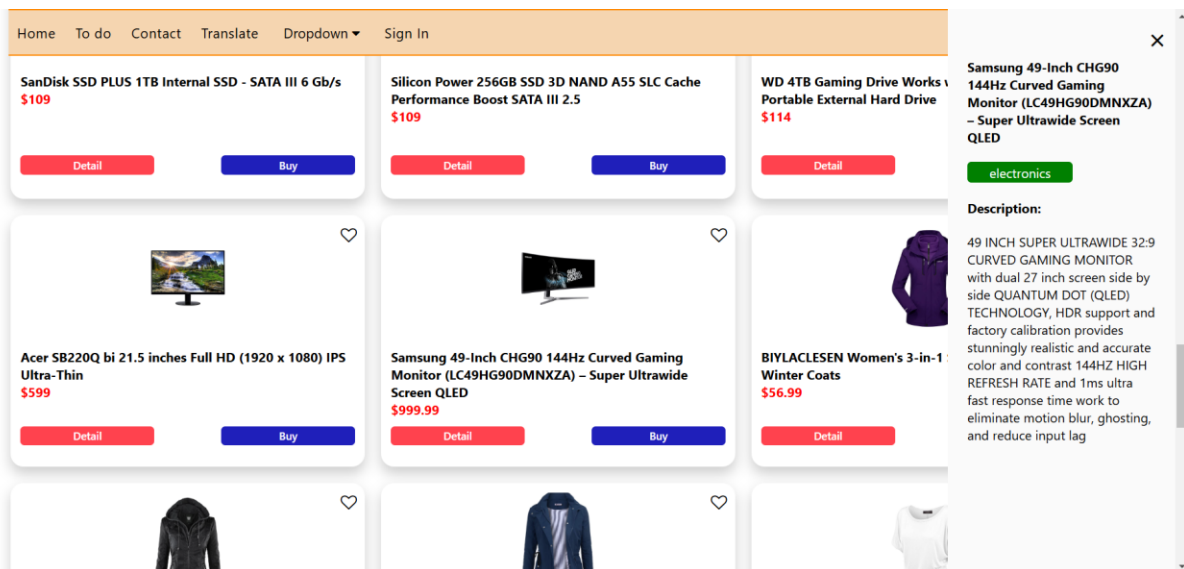
UC5: Like Product
Basic flow

1	User access to the system
2	The system displays all products on the home page
3	The user chooses a product and clicks one time the heart icon
4	The number of likes updated on top header
5	The flow end

Exception flow (The product is unlike)

1	User access to the system
2	The system displays all products on the home page
3	The user chooses a product and clicks the heart icon again
4	The number of hearts updated on top header

Mock-up screen
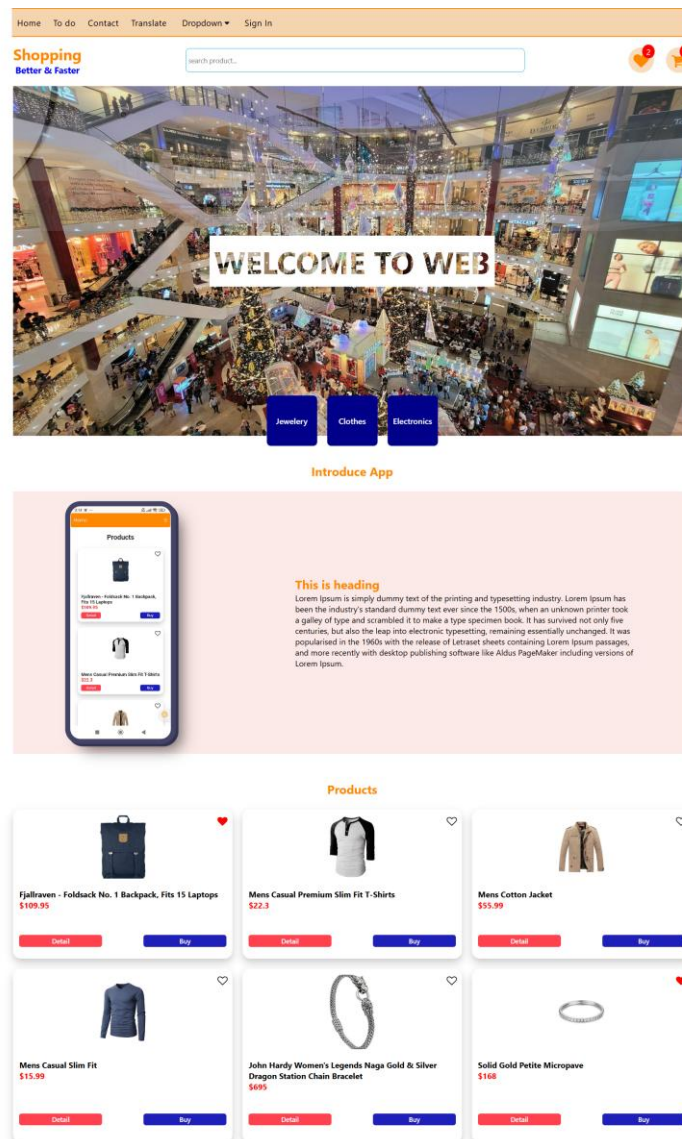
UC6: Delete Product
Basic flow

1	The user clicks the cart icon in the home page
2	The system shows the cart page
3	The user chooses an item and clicks the delete button
4	The cart table is updated total items and total price

Mock-up screen

Your Cart

Clear Cart

Image	Title Product	Price	Quantity	Actions
	WD 4TB Gaming Drive Works with Playstation 4 Portable External Hard Drive	$114	1	Delete
	Acer SB220Q bi 21.5 inches Full HD (1920 x 1080) IPS Ultra-Thin	$599	1	Delete
	Mens Casual Premium Slim Fit T-Shirts	$22.3	1	Delete
Total Items: **3**				Total Price: **$735.30**

Figure 1 Before click delete button

Your Cart

Clear Cart

Image	Title Product	Price	Quantity	Actions
	Acer SB220Q bi 21.5 inches Full HD (1920 x 1080) IPS Ultra-Thin	$599	1	Delete
	Mens Casual Premium Slim Fit T-Shirts	$22.3	1	Delete
Total Items: **2**				Total Price: **$621.30**

Figure 2 After click delete button

UC7: Clear Cart
Basic flow

1	The user clicks the cart icon on the home page
2	The system shows the cart page
3	The user clicks the clear cart button
4	All items are removed from the table and back to the home page

Mock-up screen

Figure 3 Before click clear cart

Figure 4 After click clear cart

UC8: Search Product
Basic flow

1	User access to the system
2	The user inputs the name of a product or any characters in the search bar
3	The system displays the results of search product

Exception flow

1	The user clicks the "x" icon in the search bar
2	The system shows all product

Mock-up screen

UC12: Upload Image
Basic flow

1	The user clicks the Home item in the menu
2	The user scrolls down "Reasonable Delivery & Return Policy" and clicks "Section 2"
3	The user clicks the upload image button
4	The system shows the dialog box to choose an image
5	The user chooses any image and clicks open
6	The system shows an image
7	The user clicks the image, it will expand the screen
8	The user clicks the "x" button to close the fullscreen

Mock-up screen
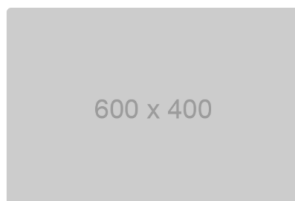
Upload Image

UC13: Scroll to element
Basic flow

1	The user clicks the Home item in the menu
2	The user clicks the first box
3	The system will scroll to "Introduce App"
4	The user clicks the second box
5	The system will scroll to "Products"
6	The user clicks the three box
7	The system will scroll to "Product Brands"
8	The user clicks the four box
9	The system will scroll to "Reasonable Delivery & Return Policy"

Mock-up screen

Contact

Basic flow

1	User access to the system
2	The user clicks the contact link in the menu
3	The system navigates to the contact page
4	The user inputs some fields
5	The user clicks the submit button

Mock-up screen

| **BR-11** | Click the submit button and all data in each field must be deleted |

Log in
Basic flow

1	User access to the system
2	The user clicks login in the menu
3	The system shows a login screen
4	The system validates the account credentials successfully and allows the user to access the system
5	The user login successfully
6	The system access dashboard page

Exception flow 1 – User fills incorrect email/password

| Step	Description
1	The system fails to validate the credentials and returns an error message ME006: "Invalid email or password. Please try again!"

Exception flow 2 – Password doesn't meet the password requirement

Step	Description
1	The system displays an error message ME007: "Password must be at least 10 characters long, contain an uppercase letter, a lowercase letter, a number, and a special character." to inform the user.

Exception flow 3 – Email account doesn't exist

Step	Description
1	The system displays an error message ME009: "This email account doesn't exist"

Mock-up screen
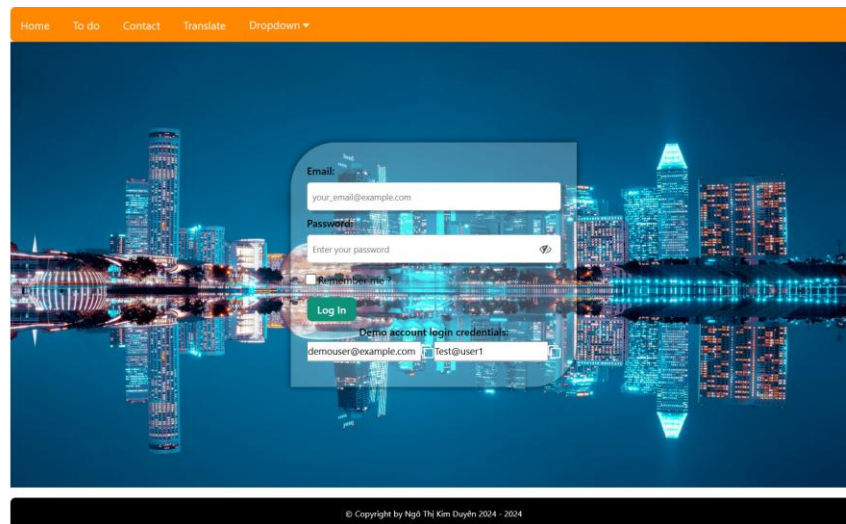
Business rule:

BR-12	Must have email and password if not, show ME008: "Required field"
BR-13	The email format is invalid. The system shows an error message ME009: "Please enter a valid email address."
BR-14	The password needs to have 10 characters and be encrypted
BR-15	Password must be at least 10 characters long, contain an uppercase letter, a lowercase letter, a number, and a special character." to inform the user
BR-16	If the user hasn't logged in, the user isn't allowed access to the dashboard page. It only goes back to the login page

Log out
Basic flow

1	The user logged in successfully
2	The system shows the dashboard page
3	The user clicks log out on the menu
4	The system shows pop-up question
5	The user clicks Ok button
6	The system goes to the login page

Exception flow 1

1	The user clicks the cancel button
2	The system is closed pop-up and it is still the dashboard page

Exception flow 2:

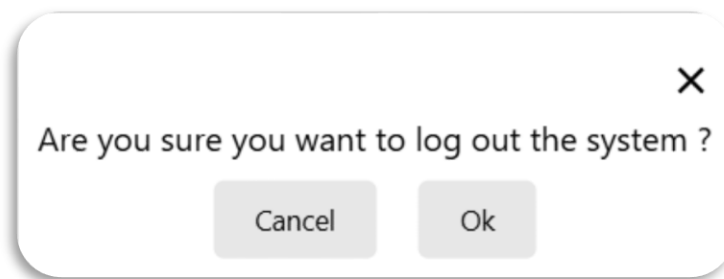| 1	The user clicks the "x" button
2	The system is closed pop-up and it is still the dashboard page

Mock-up screen

Figure 5 Notification log out

Business rule:

BR-17	The system deletes data from the user if the user clicks the "Ok" button and goes back to the login page

Copy data account
Basic flow

1	User access to the system
2	The user clicks login in the menu
3	The system shows a login screen
4	The user clicks the icon username copy
5	The system shows a "copied username"

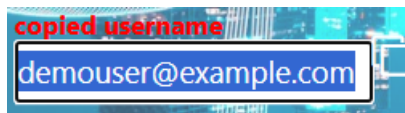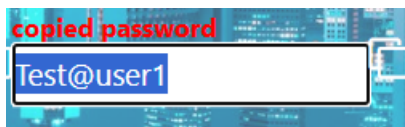| 6	The user pastes to the username field
7	The user clicks the icon password copy
8	The system shows a "copied password"
9	The user pastes to the password field

Mock-up screen

Figure 6 Copy username account

Figure 7 Copy password account

Translate multiple language

Basic flow

1	User access to the system
2	The user clicks the translate link in the menu
3	The user clicks the Vietnamese button to translate the language Việt Nam for the web default English language
4	The user clicks the English button to translate the language English for the web default Vietnamese language

Mock-up screen

English   Vietnamese

Edit `src/App.js` and save to reload.

[Learn React](#)

To-do list

UC1: Add Items

Basic follow:

1	User access to the system
2	The user clicks the "to do" item in the menu
3	The system shows the "to do" page
4	The user inputs the editor
5	The user clicks the add button
6	The system shows data in the table

Exception flow

1	The user inputs the editor
2	The user clicks the cancel button

Mock-up screen

Business rule

BR-18	When the user doesn't input text in the editor, the user clicks the add button. The system shows an error message ME009: "You must write something!"
BR-19	When the user clicks the add button, the data is inserted in the table and the editor is blank
BR-20	When the user clicks the cancel button, the editor is blank
BR-21	When the user created data in the table, the status is "To do"

UC2: Delete Item
Basic flow

1	The user chooses an item and clicks the delete button
2	The system shows a pop-up
3	The user clicks the Ok button
4	The system removes an item and closes the pop-up

Exception flow 1:

1	The user chooses an item and clicks the delete button
2	The system shows a pop-up
3	The user clicks the Cancel button
4	The system closed the pop-up and it still keeps data in the table

Exception flow 2:

1	The user chooses an item and clicks the delete button
2	The system shows a pop-up
3	The user clicks the "x" button
4	The system closed the pop-up and it still keeps data in the table

Mock-up screen

✕

Are you sure you want to delete it ?
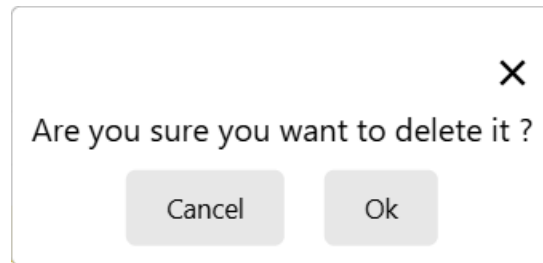
Cancel   Ok

UC3: Edit Item
Basic flow

1	The user chooses an item and clicks the edit button
2	The system shows a notification dialog and asks the user to edit content and confirm agree or cancel
3	The user inputs a new content
4	The user clicks the OK button to update the content in the table

Exception flow

1	The user chooses an item and clicks the edit button
2	The system shows a notification dialog and asks the user to edit content and confirm agree or cancel
3	The user inputs a new content
4	The user clicks the Cancel button

Mock-up screen

duyenqa.github.io says

Edit the task description:

test 123

OK   Cancel

UC4: Update status
Basic flow

1	The user clicks the checkbox on a row in the table
2	The system will strikethrough the text in the table

Exception flow

1	The user clicks the checkbox in a row
2	The system will strikethrough the text in the table
3	The user clicks again the checkbox in that row
4	The system will remove the dash on the text

Mock-up screen

Result List

	Text	Status	Action
☑	~~test 1~~	Completed	🗑 ✏
☐	test 2	To do	🗑 ✏

Business rule

BR-22	When the user clicks the checkbox, the status is updated to "Completed"

UC5: Export file
Basic flow

1	The user clicks the export table button
2	The system will output an Excel file in the user's computer

data.xlsx

Mock-up screen

<div align="center">

R e s u l t   L i s t

	Text	Status	Action
☑	~~test 1~~	Completed	🗑 ✏
☐	test 2	To do	🗑 ✏

</div>

<div align="right">

Export Table

</div>

UC5: Tabs form

Basic flow

1	The user clicks the "to do" item in the menu
2	The system shows the "to do" page
3	The user clicks each tab and fills in the form

Mock-up screen

<div align="center">

Tabs Form

</div>

Tab 1	Tab 2	Tab 3	Tab 4	Tab 5	Tab 6

Enter your text 1...

UC6: Change color background
Basic flow

1	The user clicks the "to do" item in the menu
2	The system shows the "to do" page
3	The user clicks any color
4	The system changes the background color

Mock-up screen