



DECEMBER 4, 2024

# SYSTEM REQUIREMENT SPECIFICATION

DEMO MY WEB – VERSION 2.0

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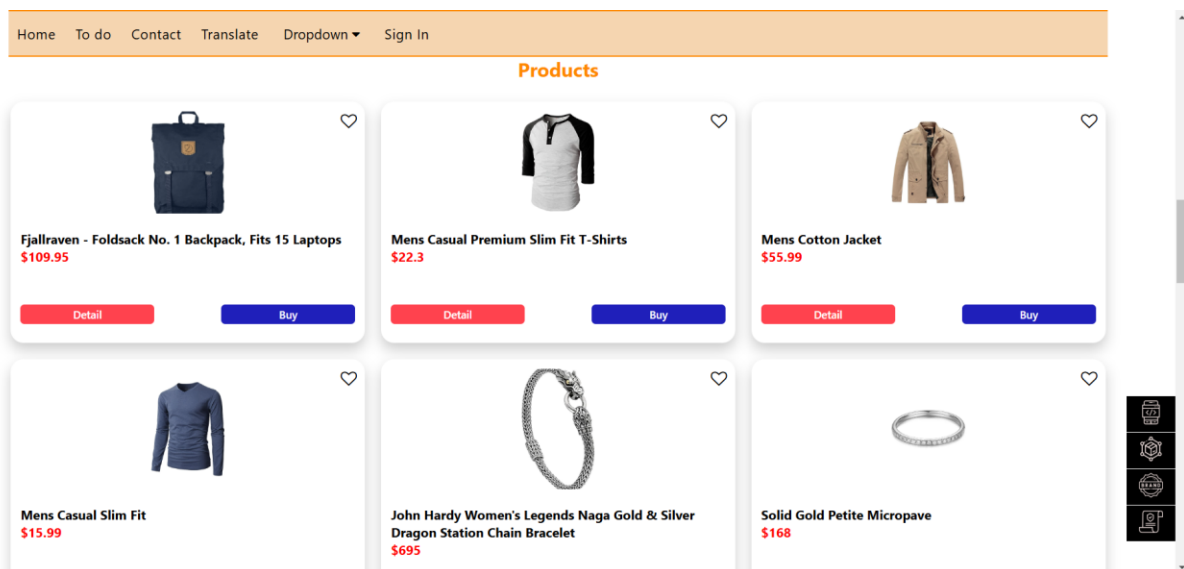
# E-commerce

## 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: Add Cart

### Basic flow 1

1	The user bought 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 the home button

### Basic flow 2

1	The user bought some product
2	The user clicks the cart icon on the top header
3	The system shows the cart page
4	The user goes back to the home screen
5	The user buys another product
6	The number of quantities is updated on the top header
7	The user clicks the cart icon on the top header
8	The system shows the cart page
9	The user fills in customer information and clicks the checkout button
10	The user orders successfully and navigates the checkout page
11	The user clicks back to the 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

[Home](#)
[To do](#)
[Contact](#)
[Translate](#)
[My App Mobile](#)
[Dropdown](#)
[Sign In](#)

Your Cart

Clear Cart

Image	Title Product	Price	Quantity	Actions
	Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops	\$109.95	2	<button>Delete</button>
	Mens Casual Slim Fit	\$15.99	1	<button>Delete</button>
Total Items: 3		Total Price: \$235.89		

Customer details

Name customer \*

Full name

Email \*

example@gmail.com

Phone \*

Your phone

Address \*

Your address

District \*

Your district

Province \*

Choose

Note:

Write something

Checkout

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## Business rule:

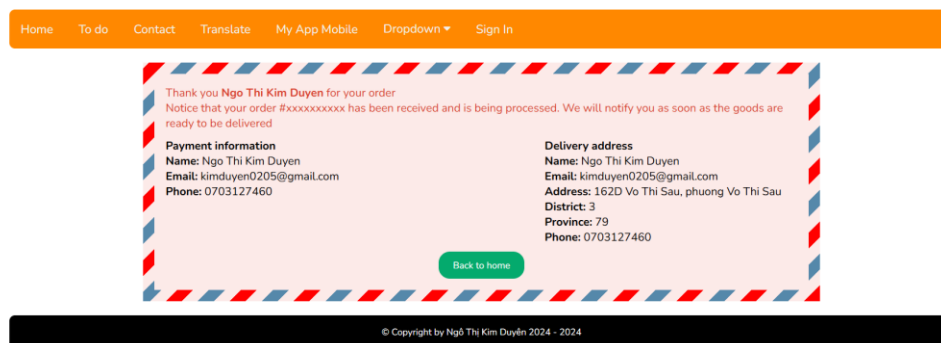
<b>BR-3</b>	The user doesn't click buy an item, and the user can't navigate the checkout page
<b>BR-4</b>	User doesn't fill form customer detail. The system displays an error message ME001: "All fields are required!"
<b>BR-5</b>	User inputs name less than 2 words. The system displays an error message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

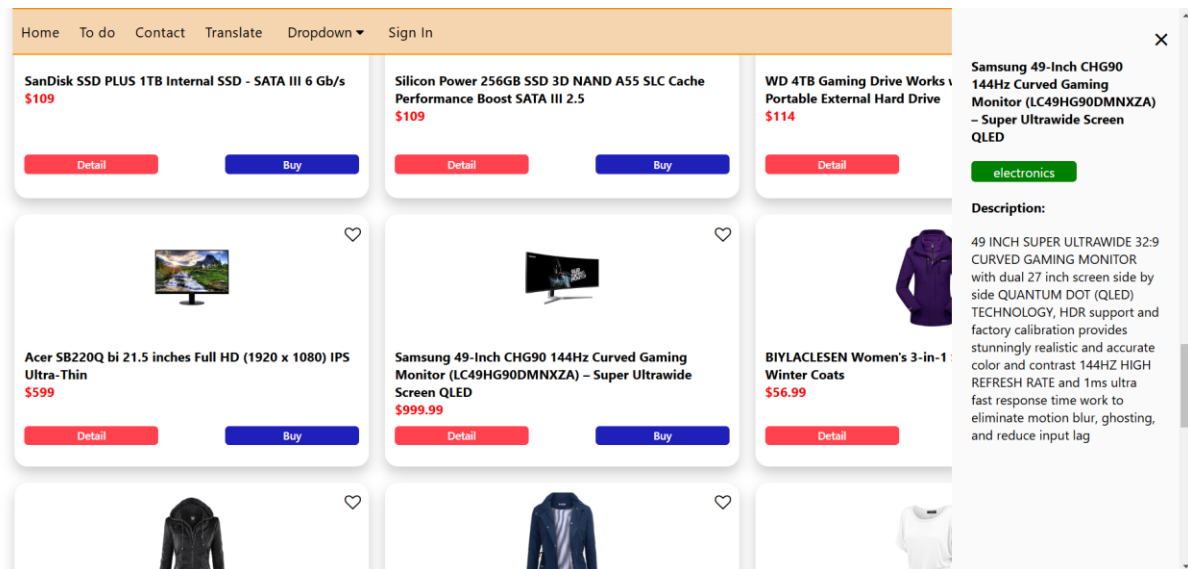


## UC4: Detail Product

### 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

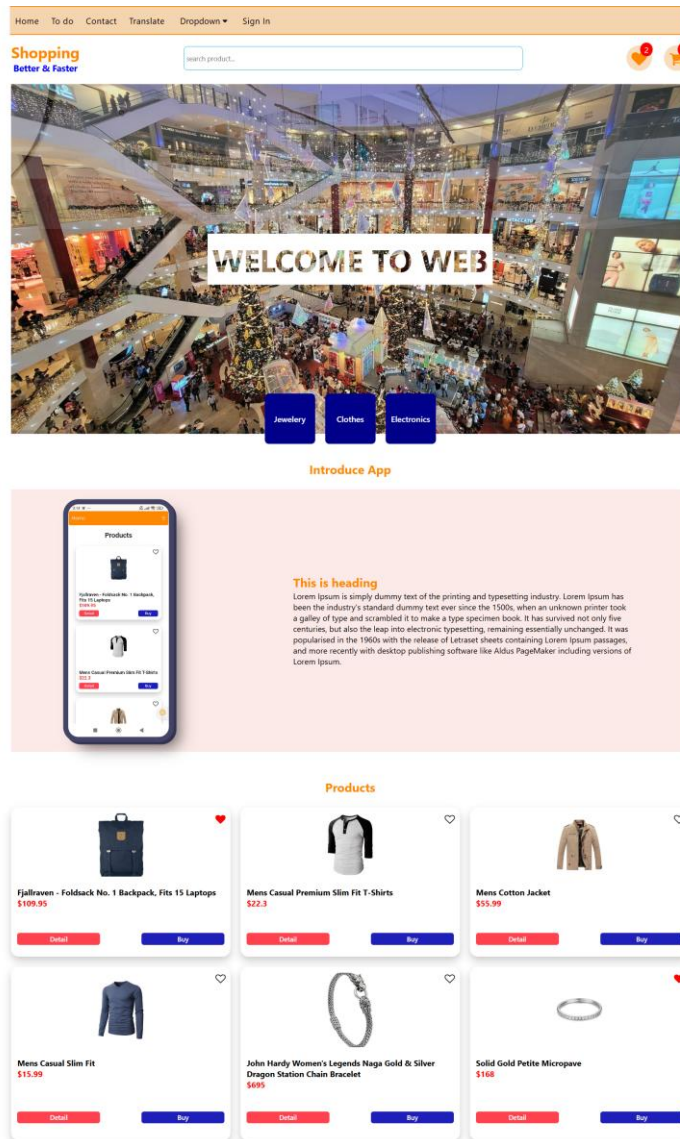
### Basic flow

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	<a href="#">Delete</a>
	Acer SB220Q bi 21.5 inches Full HD (1920 x 1080) IPS Ultra-Thin	\$599	1	<a href="#">Delete</a>
	Mens Casual Premium Slim Fit T-Shirts	\$22.3	1	<a href="#">Delete</a>
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	<a href="#">Delete</a>
	Mens Casual Premium Slim Fit T-Shirts	\$22.3	1	<a href="#">Delete</a>
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

### 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	<a href="#">Delete</a>
	Mens Casual Premium Slim Fit T-Shirts	\$22.3	1	<a href="#">Delete</a>
Total Items: 2		Total Price: \$621.30		

Figure 3 Before click clear cart



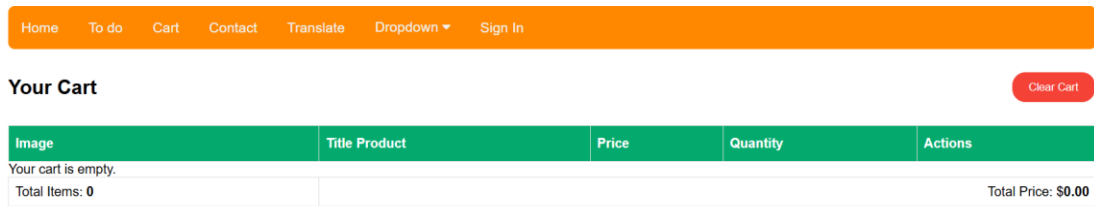


Figure 4 After click clear cart

## 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 user clicks the Search button
4	The system displays the results of search product

### Exception flow

1	The user clicks the “x” icon in the search bar
2	The system will delete data and show all products in the search bar

### Mock-up screen



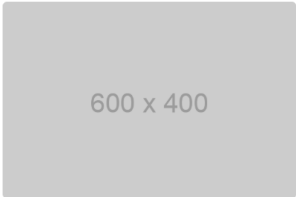
## UC12: Upload Image

### 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
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**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

HomeTo doContactTranslateMy App MobileDropdownSign In

Contact me



First Name

Last Name

Your Email

Select Country

None

What is your gender?

☐ Male ☐ Female

What are your colors ?

☐ Red ☐ Orange ☐ Light Sky ☐ Yellow ☐ White

Description

Choose Date

mm/dd/yyyy

Submit

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

## Log in with the password

### 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.

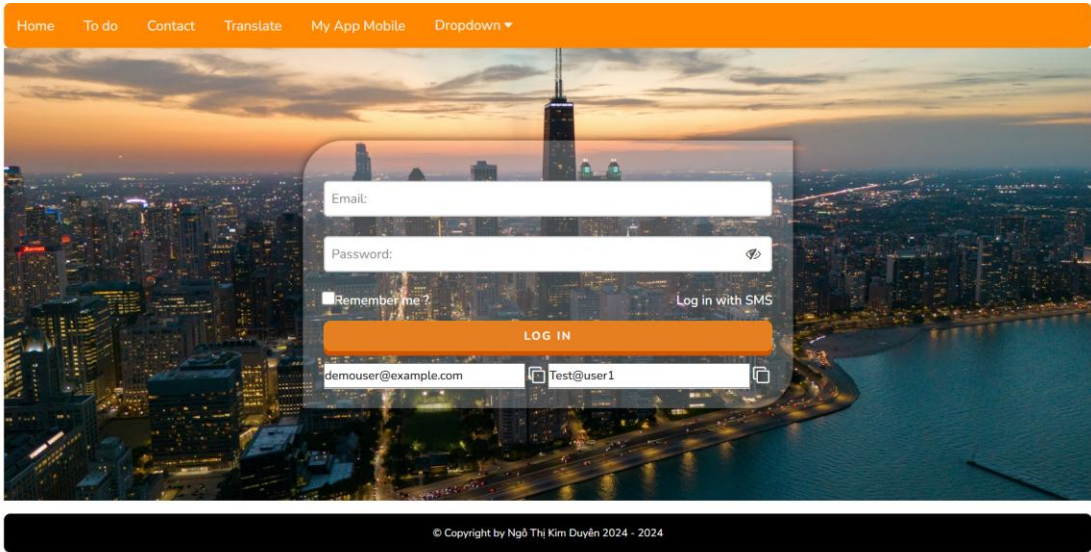
### Exception flow 3 – Email account doesn’t exist

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

### Exception flow 4

Step	Description
1	The user clicks “Log in with SMS” link
2	The system navigates to “Log in with SMS” screen

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 didn’t log in, the user isn’t allowed access to the dashboard page. It only goes back to the login page

Log in with OTP one-time

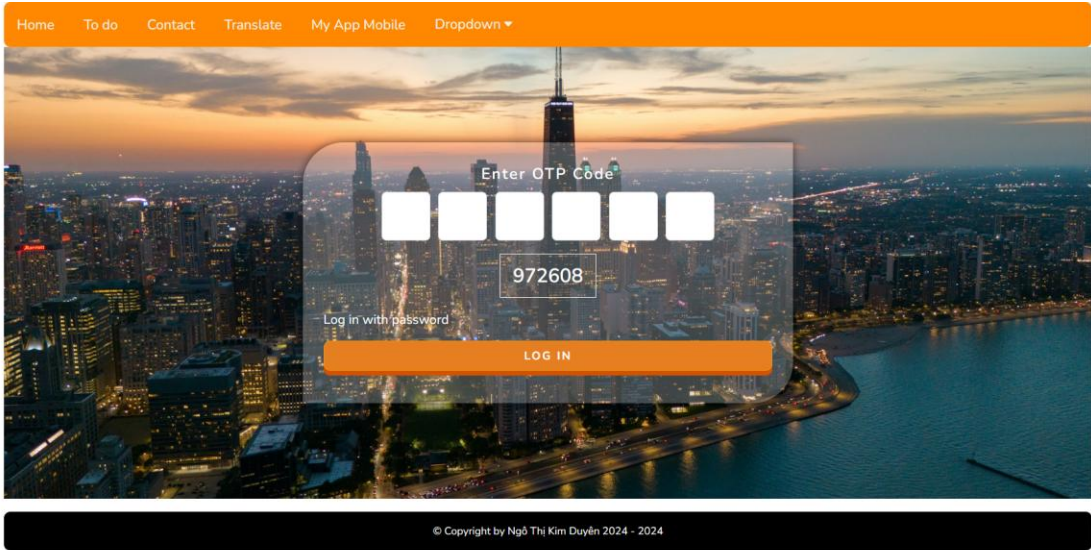
Basic flow

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 “Log in with SMS” link
5	The system navigates to the “Log in with SMS” screen

Exception flow

1	The user clicks “Log in with password” link
2	The system shows Log in with password screen

Mock-up screen



BR-17	The input fields only input a number
BR-18	The user must enter 6 digits that match the 6 digits displayed on the screen. If the user loads the website, the digits will change. It only use one time
BR-19	If the user enters 6 digits that don’t match the provided 6 digits. The system shows an error message ME010: “OTP invalid!”

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 the Ok button

6	The system goes to the login page
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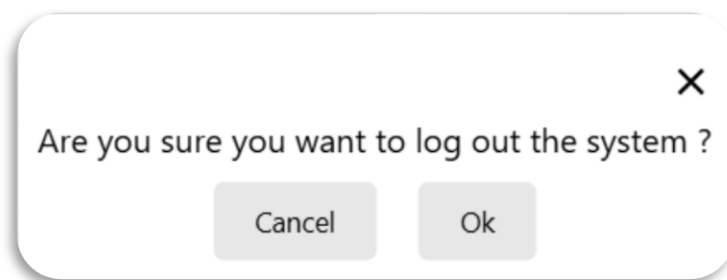
### Exception flow 1

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:

<b>BR-20</b>	The system deletes data from the user if the user clicks the “Ok” button and goes back to the login page
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## 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

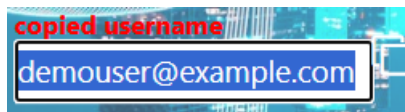


Figure 6 Copy username account

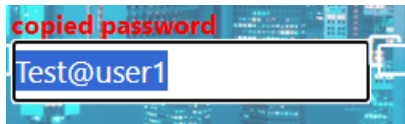


Figure 7 Copy password account

## 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

Home To do Contact Translate My App Mobile Dropdown Sign In

### To Do List

Paragraph B I @ “ ” ↶ ↷ ☰ ☷

Add Item

Cancel

### Result List

	Text	Status	Action
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Export Table

## Business rule

<b>BR-21</b>	When the user doesn't input text in the editor, the user clicks the add button. The system shows an error message ME011: "You must write something!"
<b>BR-22</b>	When the user clicks the add button, the data is inserted in the table and the editor is blank
<b>BR-23</b>	When the user clicks the cancel button, the editor is blank
<b>BR-24</b>	When the user created data in the table, the status is "To do"

## UC2: Delete Item

### Basic flow

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

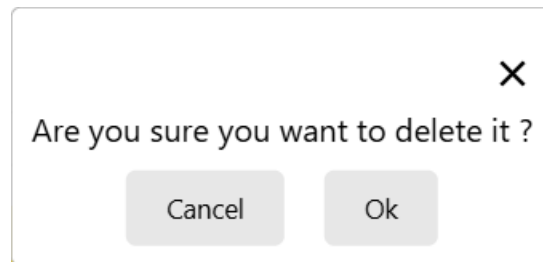
### Exception flow 1:

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

### Exception flow 2:

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

## Mock-up screen



## UC3: Edit Item

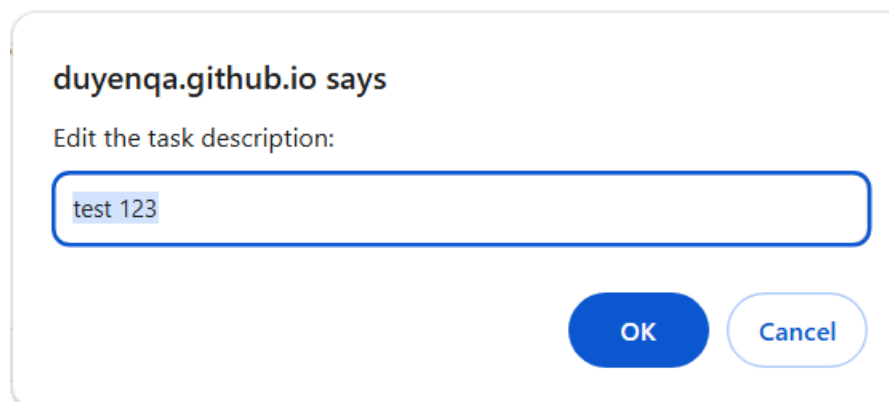
### Basic flow

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



## 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
<input checked="" type="checkbox"/>	<del>test 1</del>	Completed	 
<input type="checkbox"/>	test 2	To do	 

### Business rule

BR-25	When the user clicks the checkbox, the status is updated to “Completed”
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## 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



Mock-up screen

Result List

	Text	Status	Action
<input checked="" type="checkbox"/>	test 1	Completed	 
<input type="checkbox"/>	test 2	To do	 

Export Table

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

Tabs Form

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

