



DECEMBER 4, 2024

SYSTEM REQUIREMENT SPECIFICATION

DEMO MY WEB – VERSION 2.0

NGÔ THỊ KIM DUYÊN



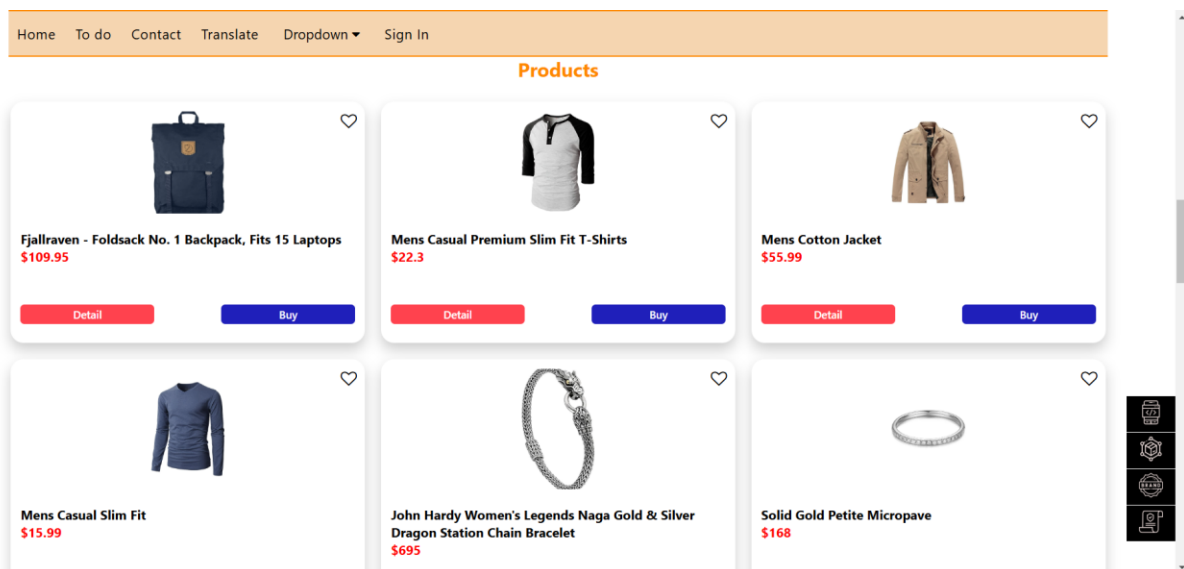
E-commerce

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	<div>Delete</div>
	Mens Casual Slim Fit	\$15.99	1	<div>Delete</div>
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

© Copyright by Ngã Thi Kim Ouyên 2024 - 2024

Business rule:

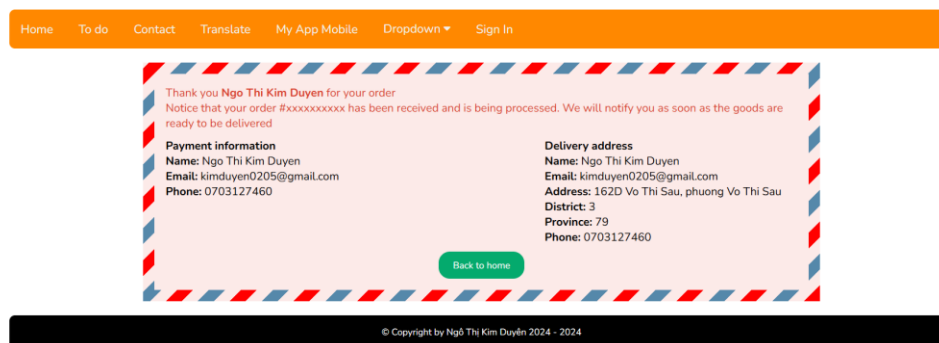
BR-3	The user doesn't click buy an item, and the user can't navigate the checkout page
BR-4	User doesn't fill form customer detail. The system displays an error message ME001: "All fields are required!"
BR-5	User inputs name less than 2 words. The system displays an error message ME002: "The username 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

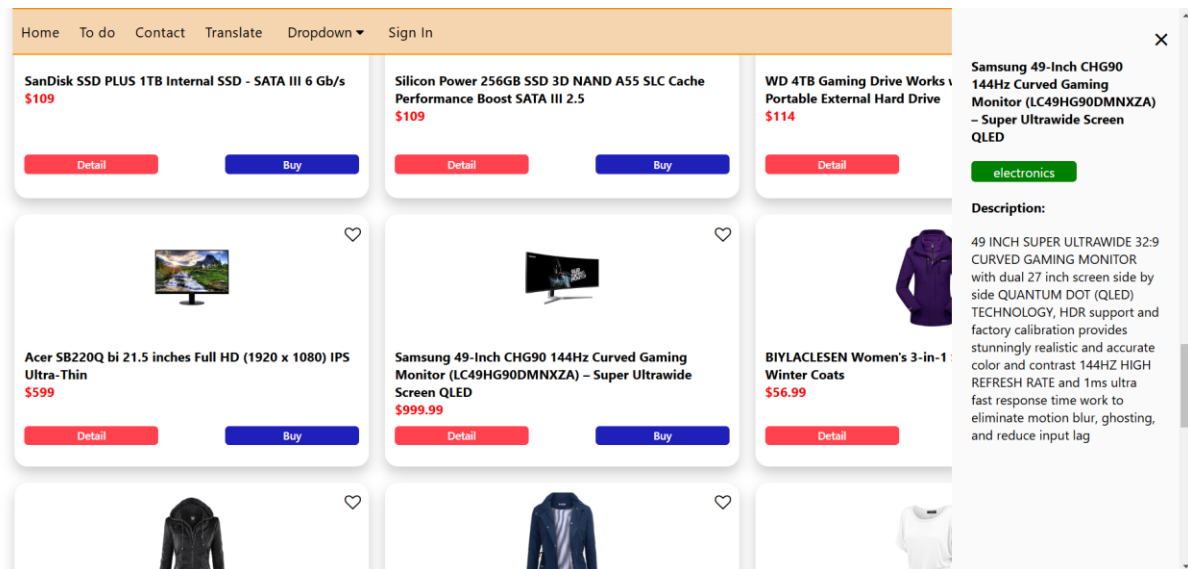


UC4: Detail Product

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

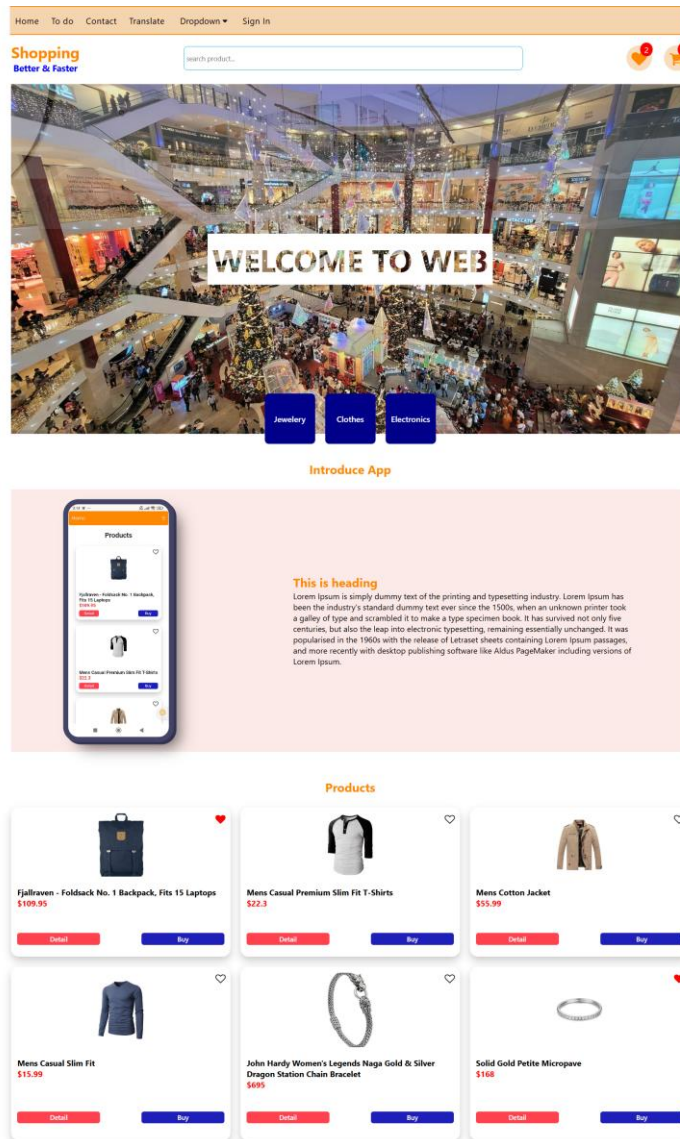
Basic flow

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

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 3 Before click clear cart

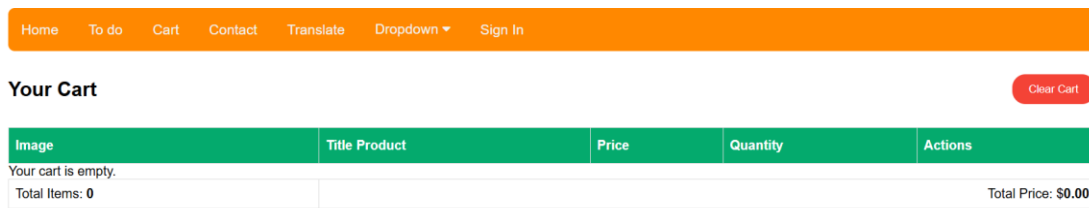


Figure 4 After click clear cart

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 “Clear” text in the search bar
2	The system will delete data and show all products in the search bar

Mock-up screen



UC9: 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

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

© Copyright by Ngô Thi Kim Duyên 2024 - 2024

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.

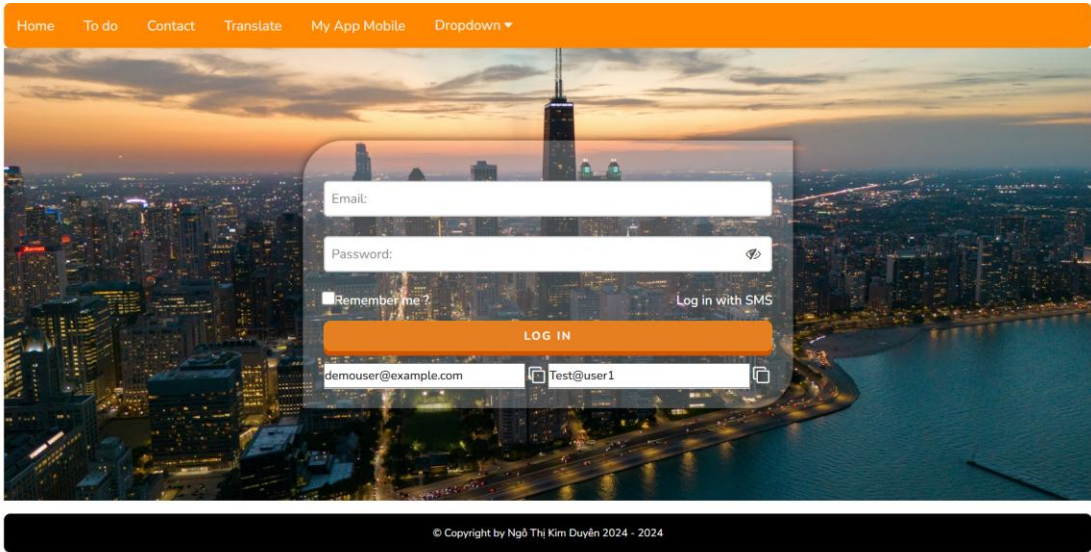
Exception flow 3 – Email account doesn’t exist

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

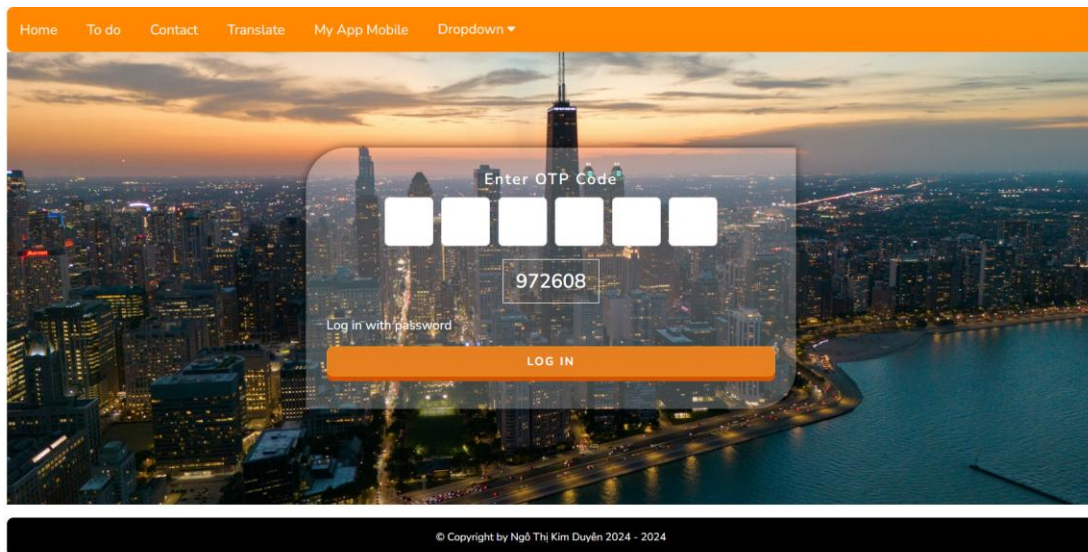
Basic flow

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



Business rule:

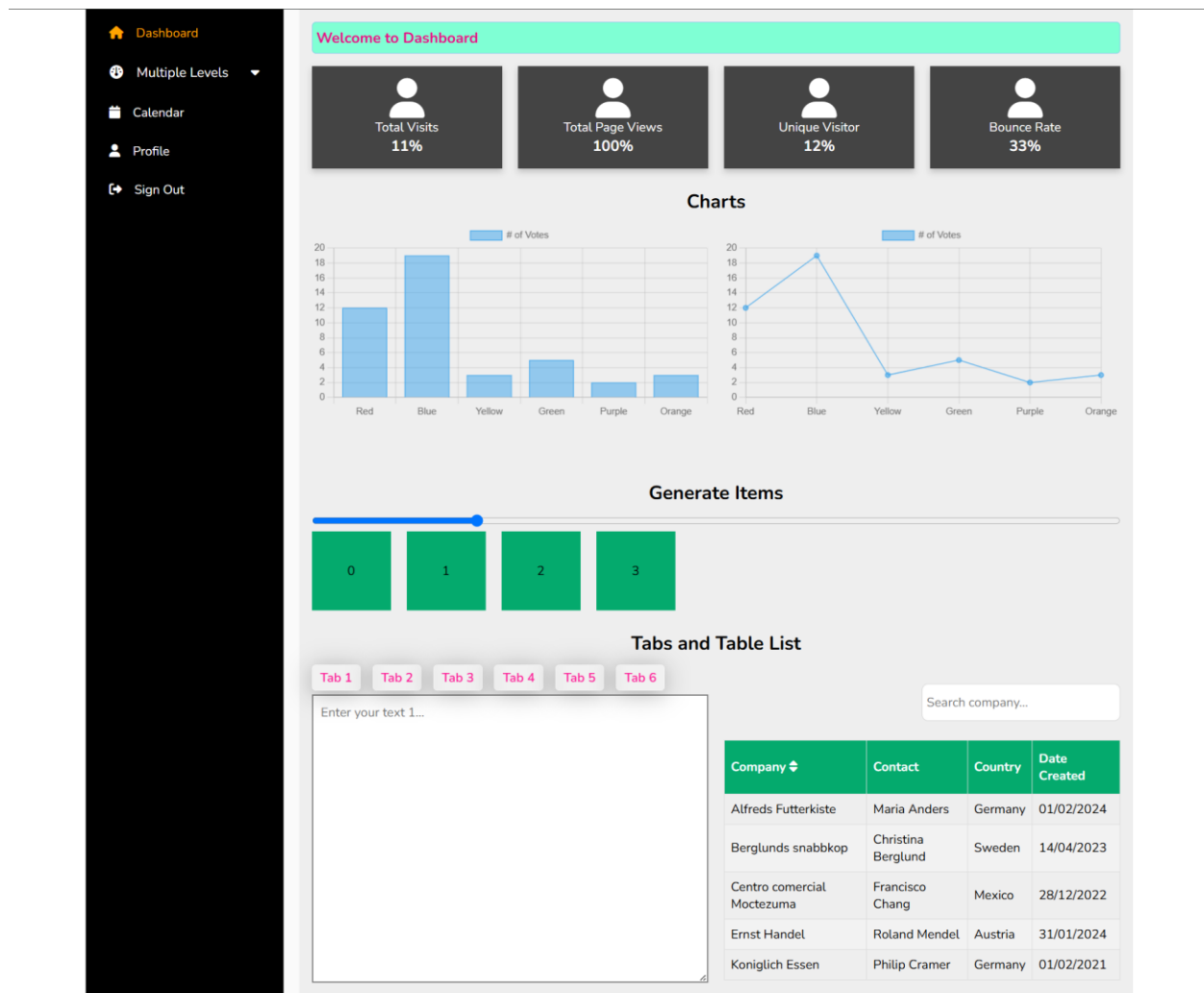
BR-17	The input fields only input a number
BR-18	The user must enter 6 digits that match the 6 digits displayed on the screen. If the user loads the website, the digits will change. It only use one time
BR-19	If the user enters 6 digits that don't match the provided 6 digits. The system shows an error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

Dashboard

Basic flow

1	The user logged in successfully
2	The system navigates to the dashboard screen

Mock-up screen



Business rule:

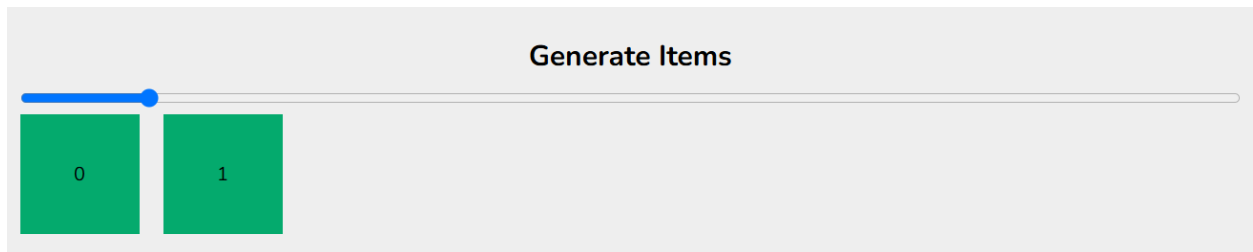
BR-20	The admin page is not responsive
-------	----------------------------------

Generate box

Basic flow

1	The user clicks and drags the mouse on the slider
2	The system generates some boxes

Mock-up screen

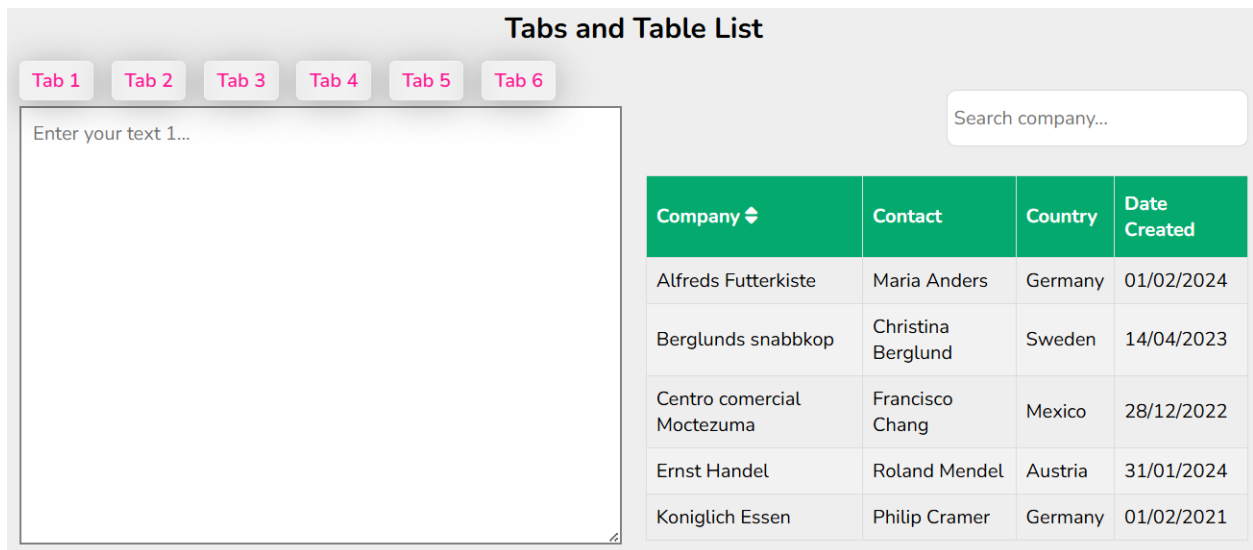


Tabs form

Basic flow

1	The user clicks each tab and fills in the form
2	The system displays the content of each different tab

Mock-up screen



Search table list

Basic flow

1	The user inputs any character to search name in the table list
2	The system returns a new result

Mock-up screen

Tab 1

Tab 2

Tab 3

Tab 4

Tab 5

Tab 6

Enter your text 1...

Search company...

Company	Contact	Country	Date Created
Alfreds Futterkiste	Maria Anders	Germany	01/02/2024
Berglunds snabbkop	Christina Berglund	Sweden	14/04/2023
Centro comercial Moctezuma	Francisco Chang	Mexico	28/12/2022
Ernst Handel	Roland Mendel	Austria	31/01/2024
Koniglich Essen	Philip Cramer	Germany	01/02/2021

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

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

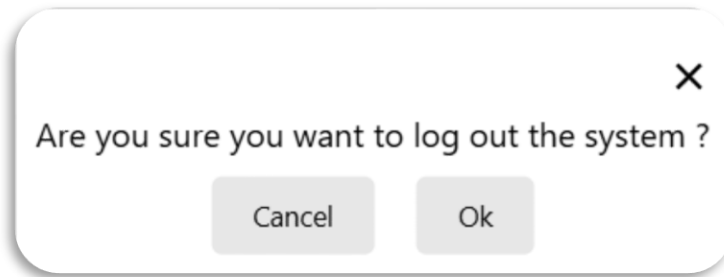


Figure 5 Notification log out

Business rule:

BR-21	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



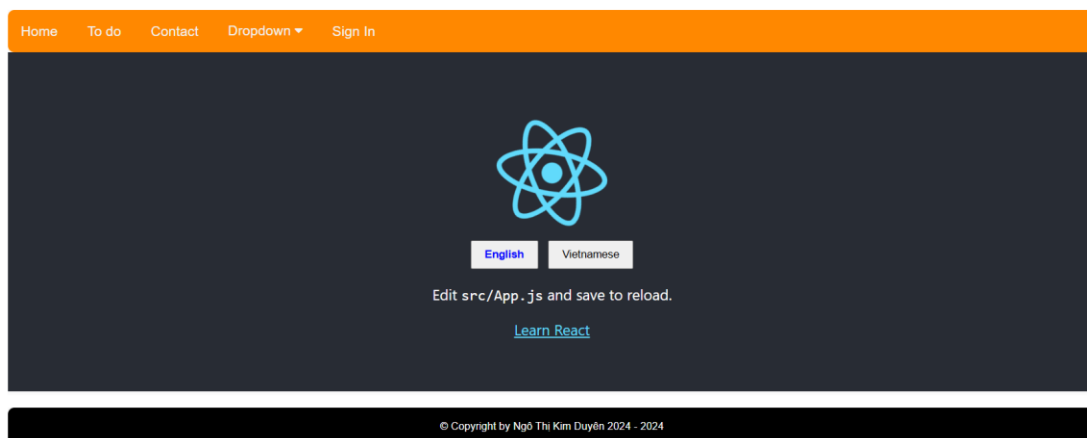
Figure 7 Copy password account

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

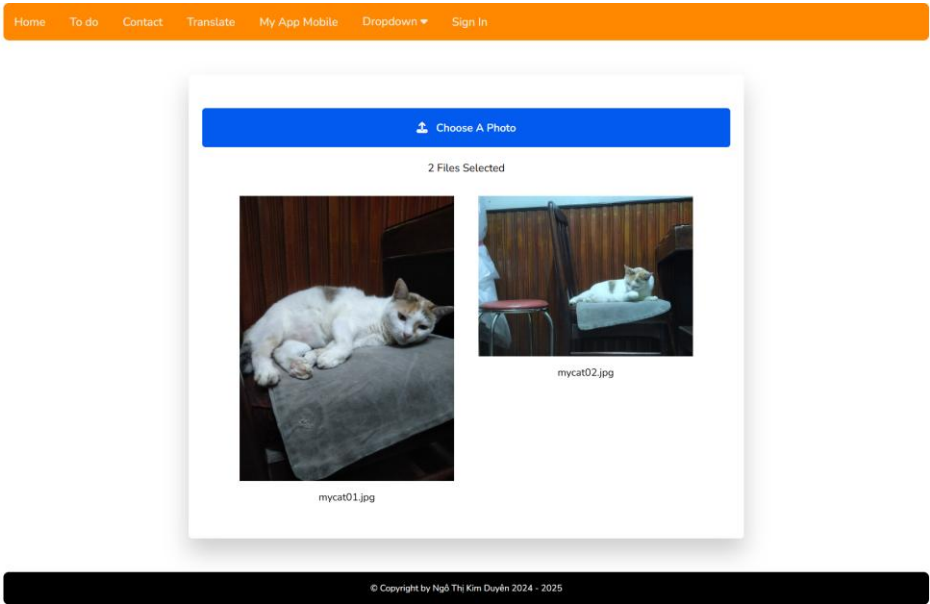


Upload Image

Basic flow

1	The user clicks the Home item in the menu
2	The user clicks the Dropdown and chooses “Gallery Image”
3	The system navigates to the Galery Image screen
4	The user clicks the “Choose A Photo” button
5	The system shows an open file dialog
6	The user chooses one image or multiple images
7	The system shows all images

Mock-up screen



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

Export Table

Business rule

BR-22	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!"
BR-23	When the user clicks the add button, the data is inserted in the table and the editor is blank
BR-24	When the user clicks the cancel button, the editor is blank
BR-25	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

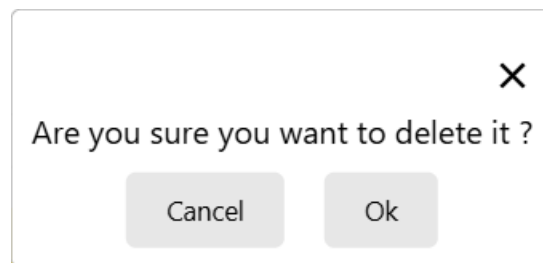
Exception flow 1:

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



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
<input checked="" type="checkbox"/>	test1	Completed	 
<input type="checkbox"/>	test 2	To do	 

Business rule

BR-26	When the user clicks the checkbox, the status is updated to “Completed”
-------	---

UC5: 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

