



DECEMBER 4, 2024

SYSTEM REQUIREMENT SPECIFICATION

DEMO MY WEB – VERSION 2.0

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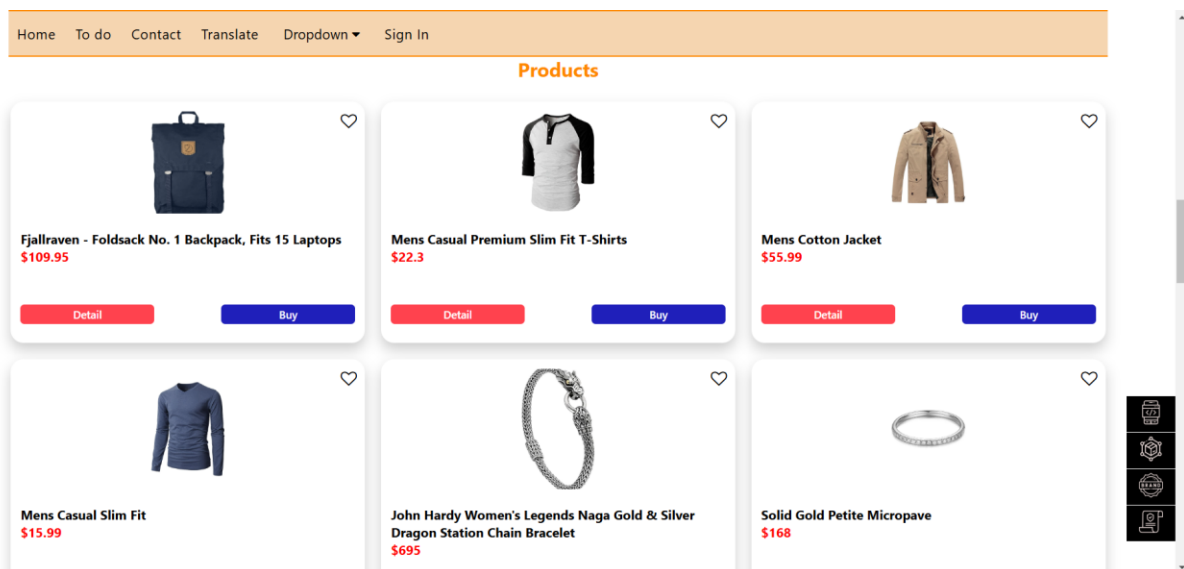
E-commerce

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

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Business rule:

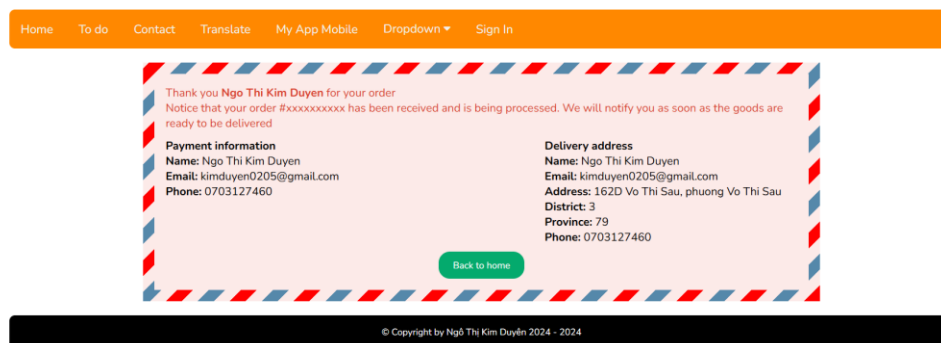
| | |
|--------------|---|
| BR-3 | The user doesn't click buy an item, and the user can't navigate the checkout page |
| BR-4 | User doesn't fill form customer detail. The system displays an error message ME001: "All fields are required!" |
| BR-5 | User inputs name less than 2 words. The system displays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

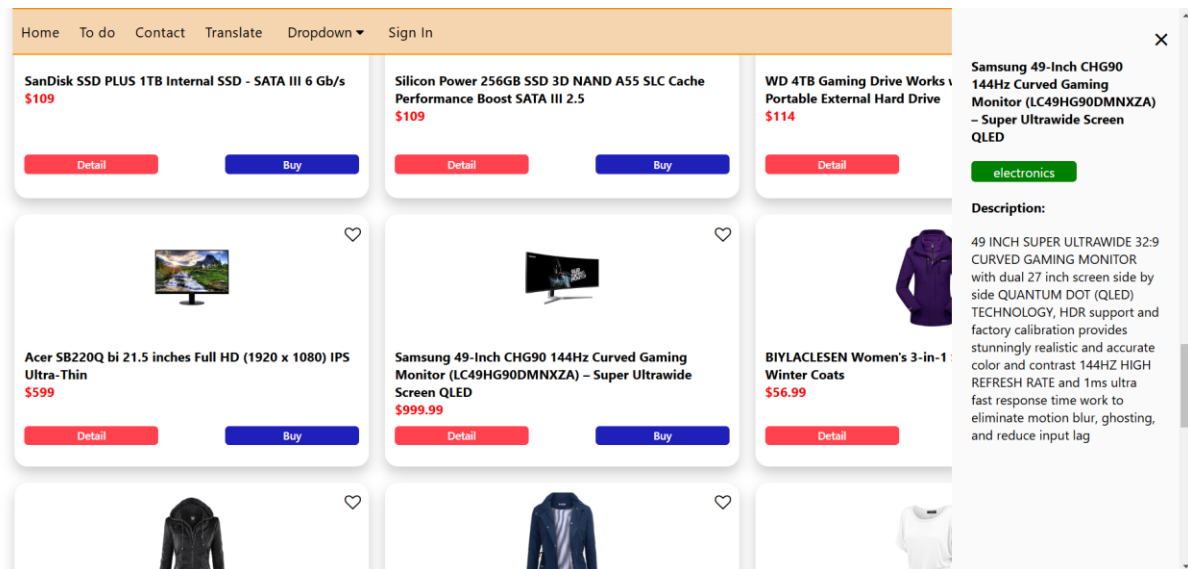


UC4: Detail Product

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

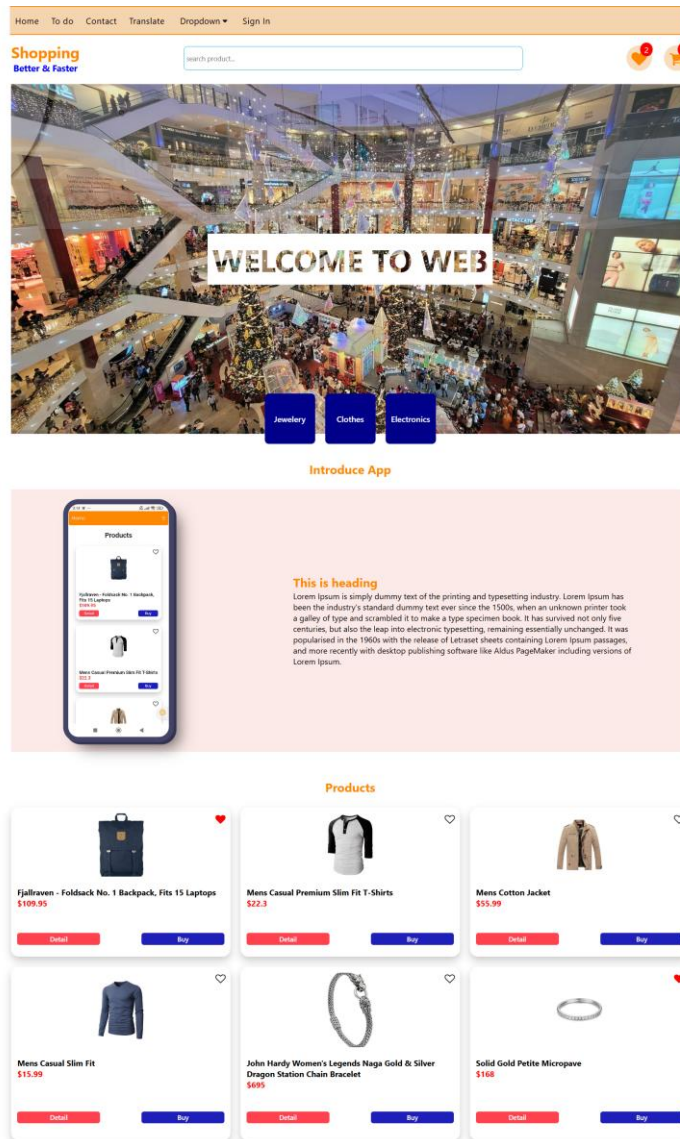
Basic flow

| | |
|---|---|
| 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

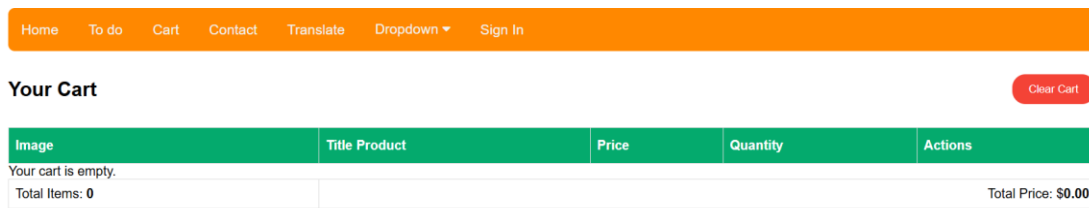


Figure 4 After click clear cart

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

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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. |

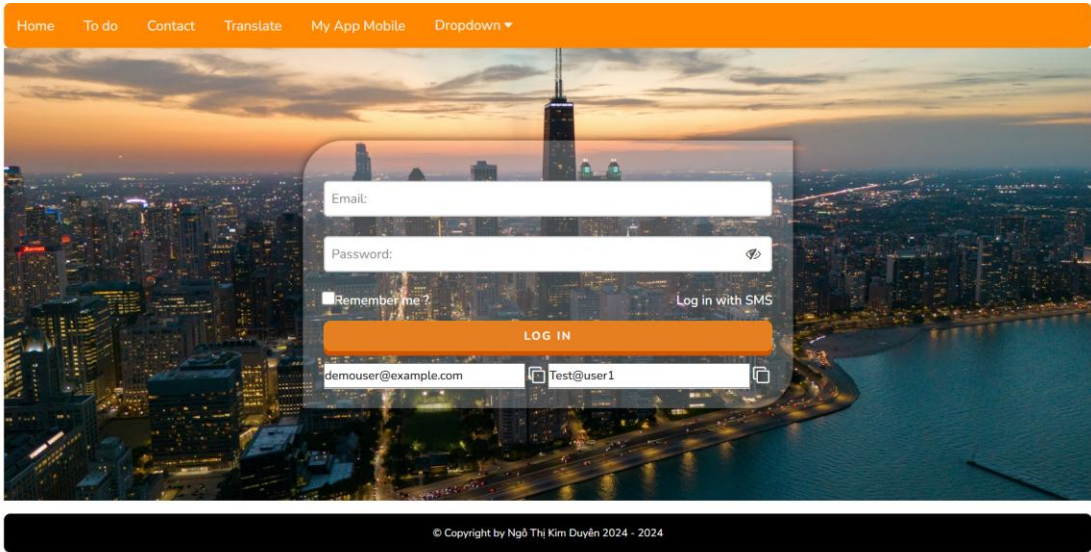
Exception flow 3 – Email account doesn’t exist

| 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

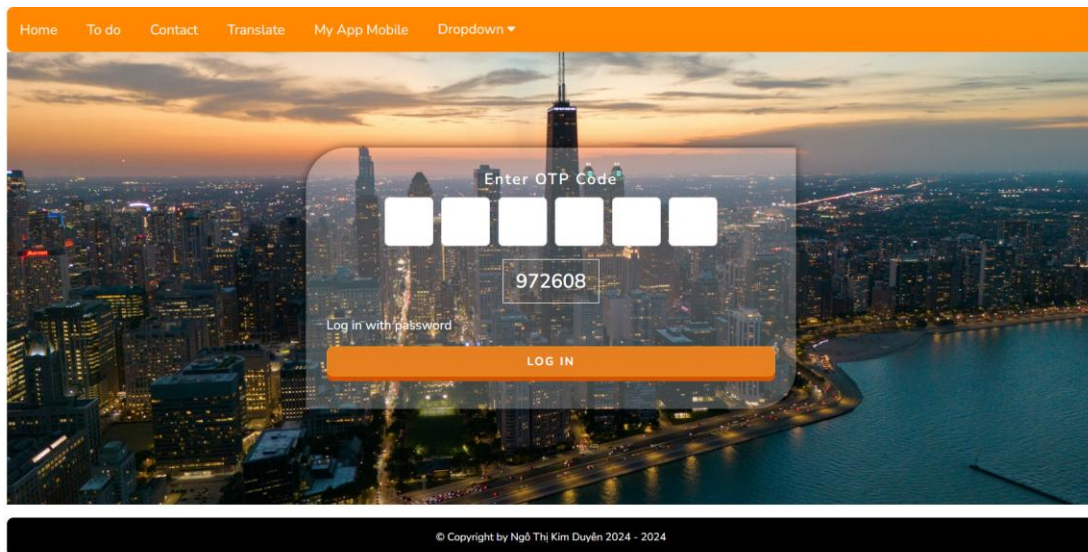
Basic flow

| | |
|---|--|
| 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



Business rule:

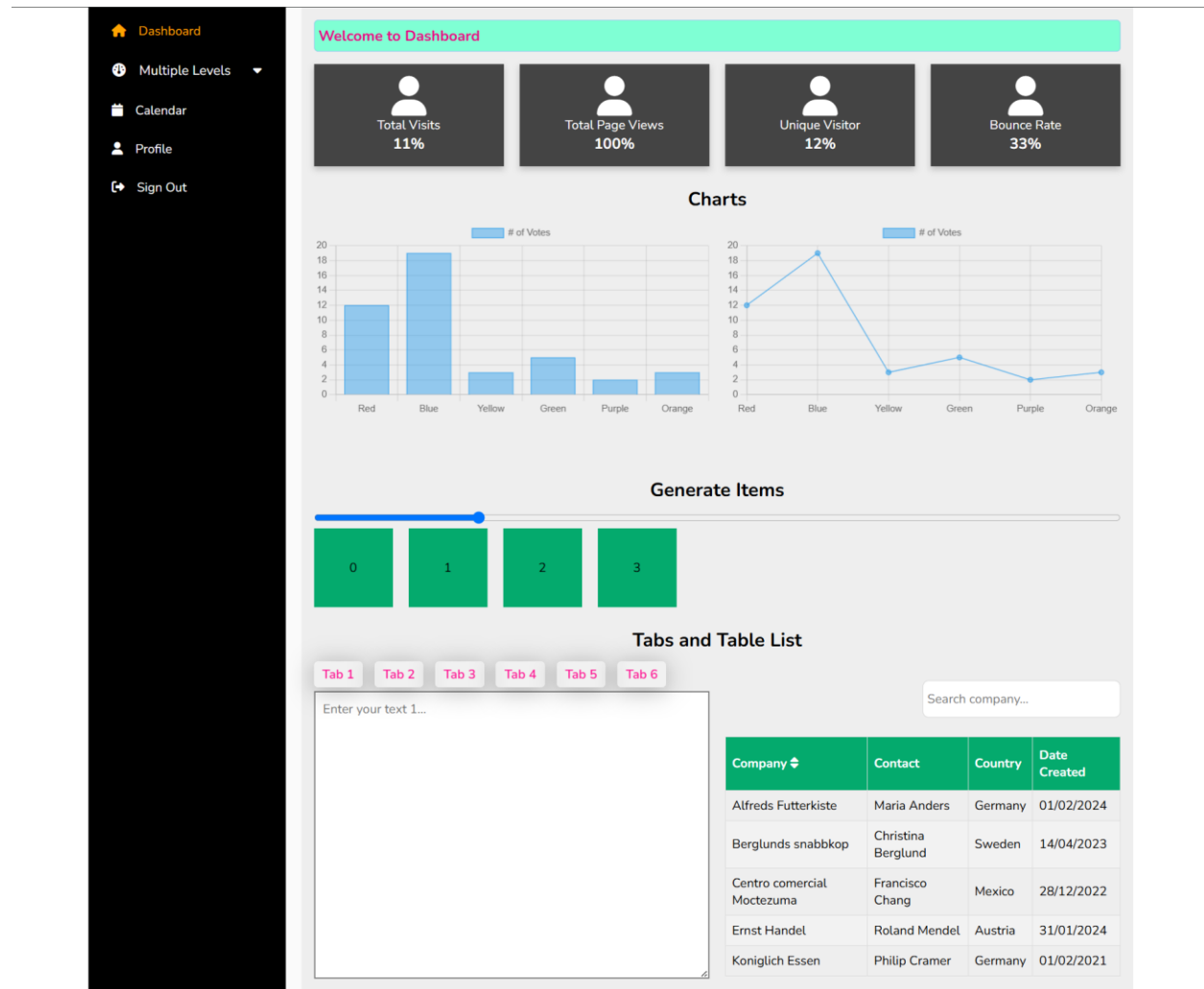
| | |
|-------|---|
| BR-17 | The input fields only input a number |
| BR-18 | The user must enter 6 digits that match the 6 digits displayed on the screen. If the user loads the website, the digits will change. It only use one time |
| BR-19 | If the user enters 6 digits that don't match the provided 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:

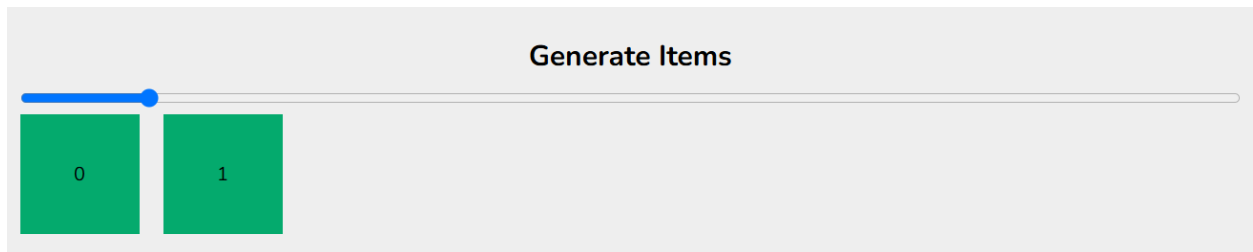
| | |
|-------|----------------------------------|
| BR-20 | The admin page is not responsive |
|-------|----------------------------------|

Generate box

Basic flow

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

Mock-up screen

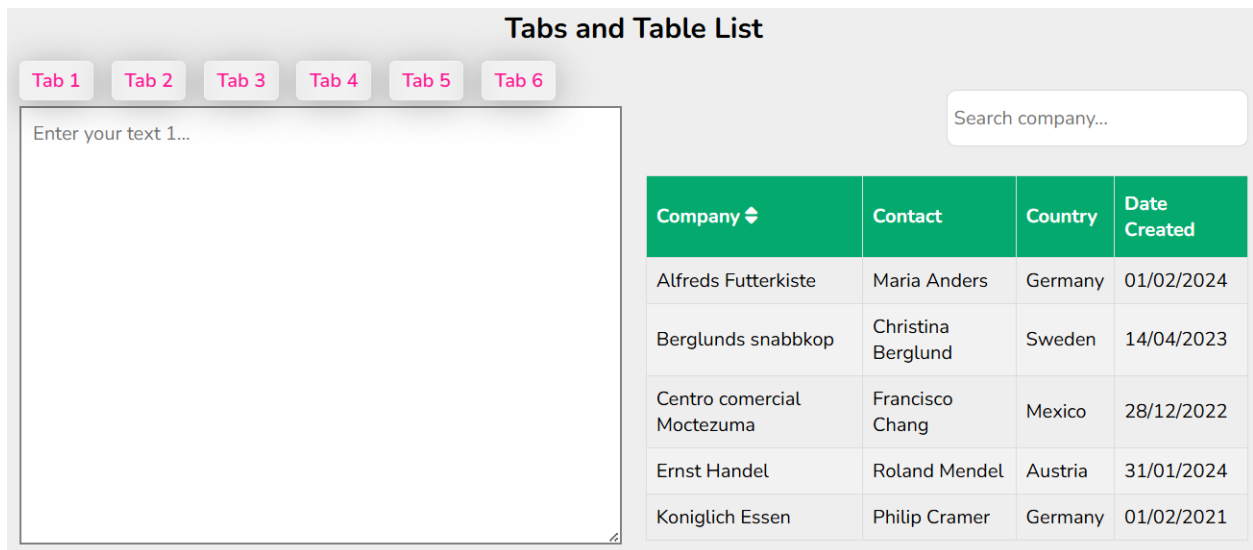


Tabs form

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

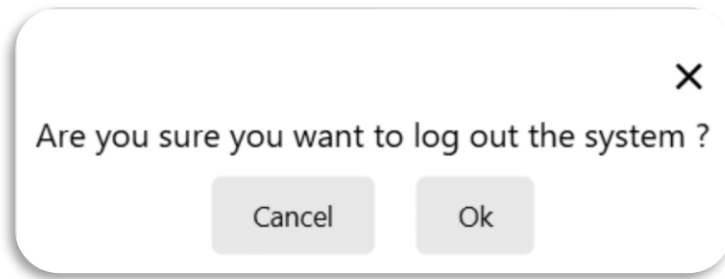


Figure 5 Notification log out

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



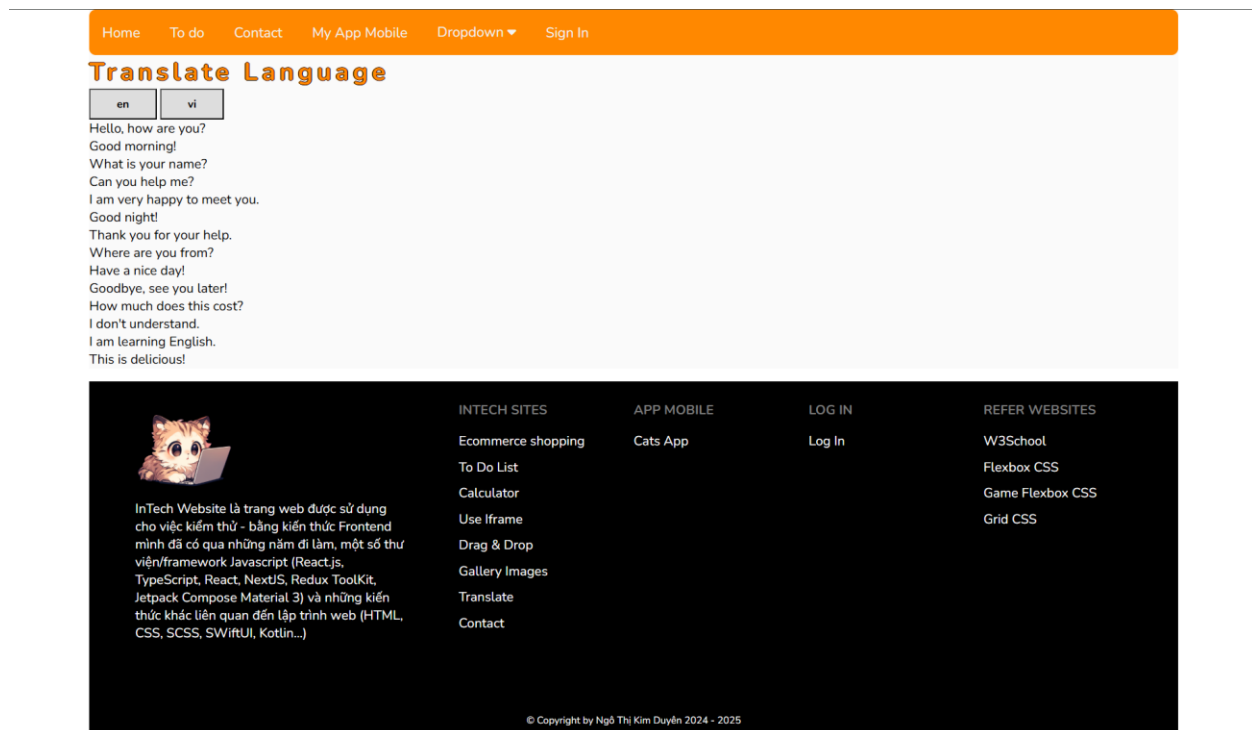
Figure 7 Copy password account

Translate multiple language

Basic flow

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

Mock-up screen

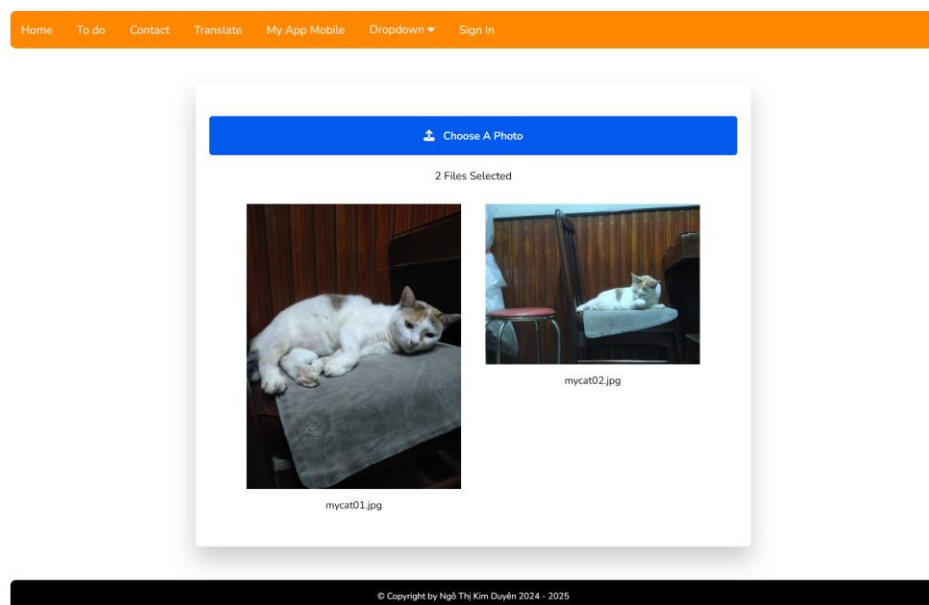


Upload Image

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

The mock-up screen displays a web application interface. At the top is an orange navigation bar with links: Home, To do, Contact, Translate, My App Mobile, Dropdown, and Sign In. Below the navigation bar is a section titled 'To Do List' in red. This section contains a text editor with a toolbar (Paragraph, Bold, Italic, Link, Quote, Undo, Redo, Bulleted List, Numbered List) and two buttons: 'Add Item' and 'Cancel'. Below the 'To Do List' section is a section titled 'Result List' in pink. This section contains a table with three columns: Text, Status, and Action. The table has one row with the text 'Text', 'Status', and 'Action'. To the right of the table is a green button labeled 'Export Table'. On the far right, there is a vertical sidebar with a scroll bar and a color palette with six colored circles (yellow, green, cyan, blue, grey, dark blue) and a white circle at the bottom.

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 |
|---|--|

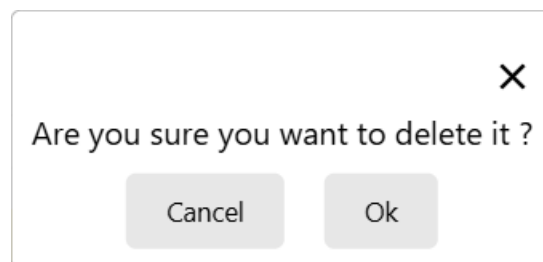
Exception flow 1:

| | |
|---|---|
| 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"/> | test 1 | 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

