



DECEMBER 4, 2024

SYSTEM REQUIREMENT SPECIFICATION

DEMO MY WEB – VERSION 2.0

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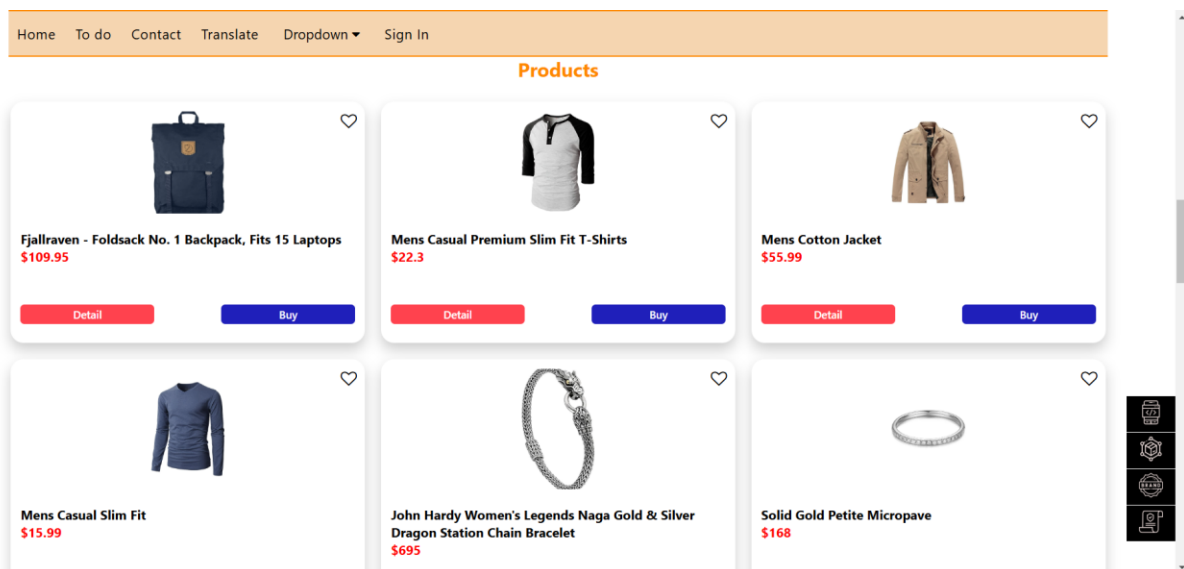
E-commerce

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

HomeTo doCartContactTranslateDropdownSign In

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 |

Total Items: 2Total Price: \$713.00

Customer details

Name customer*

Full name

Email*

example@gmail.com

Phone*

Your phone

Address*

Your address

Note:

Write something

Checkout

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Business rule:

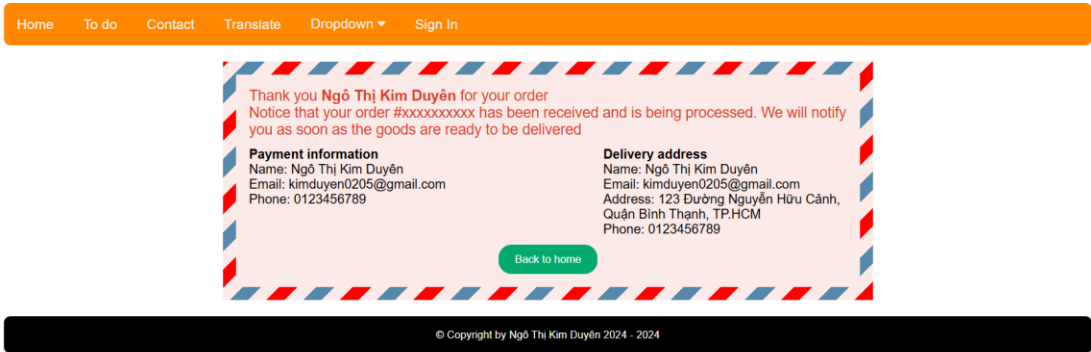
| | |
|------|--|
| BR-3 | The user doesn't click buy an item, user can't navigate the checkout page |
| BR-4 | User doesn't fill form customer detail. The system displays an error message ME001: "All fields are required!" |
| BR-5 | User inputs name less than 2 words. The system displays an error message 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 phone less than 10 digits. If the user doesn't, display the error message ME004:"Phone number must be 10 digits" |
| BR-8 | User doesn't input the address. The system displays an error message ME005:"The address is invalid" |

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 home button |
| 4 | The system navigates to the home page |
| 5 | The flow end |

Mock-up screen

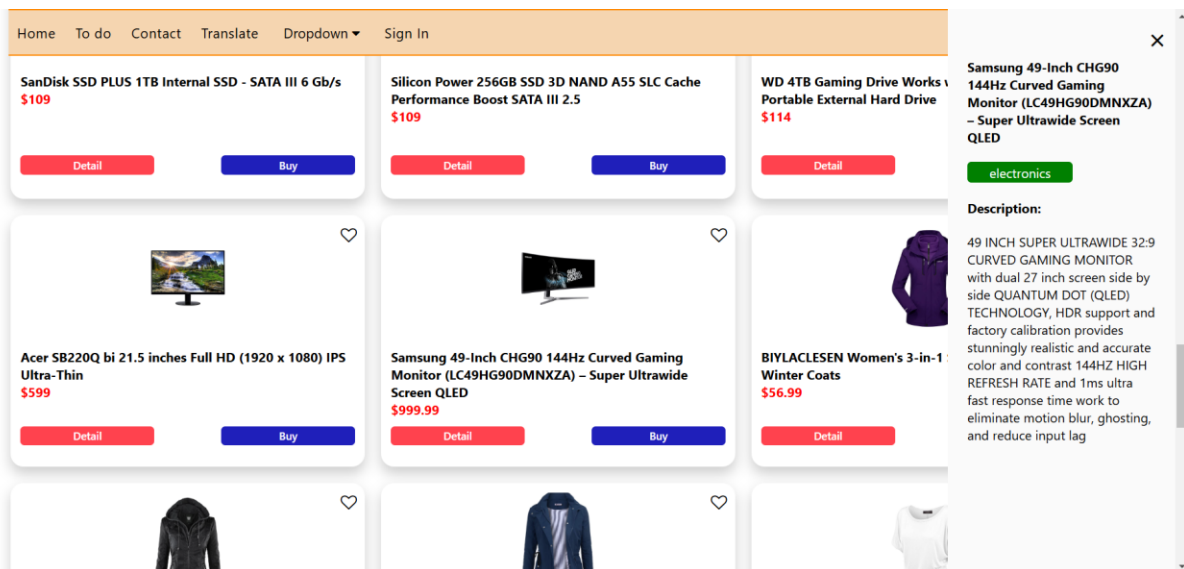


UC4: Detail Product

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

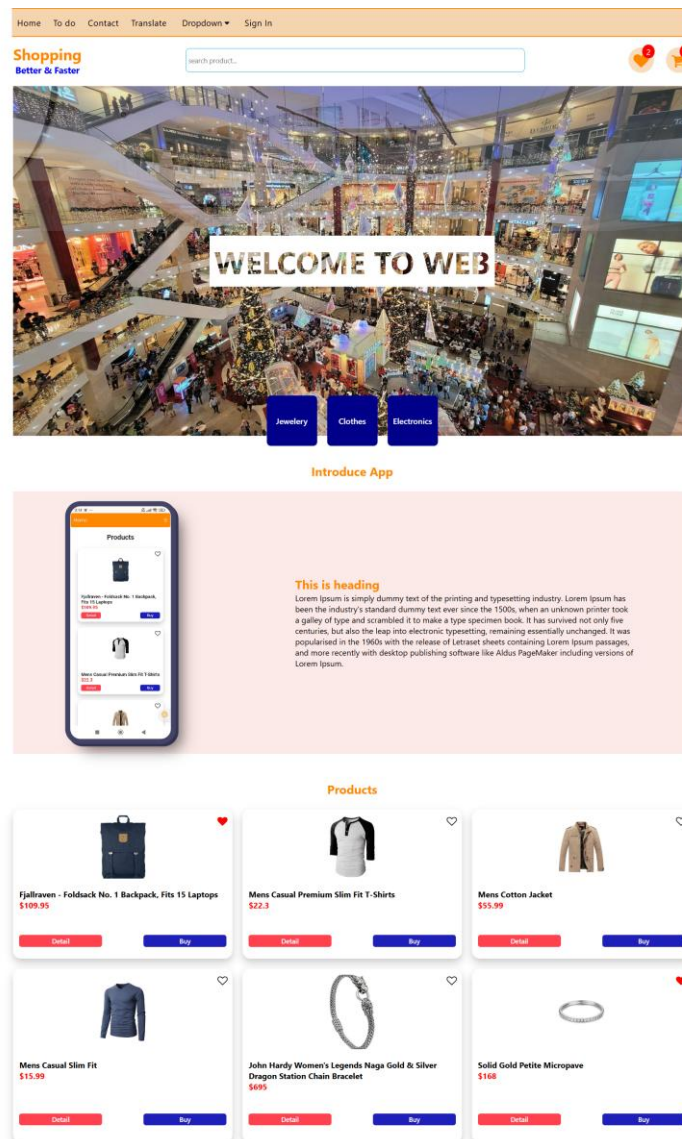
Basic flow

| | |
|---|---|
| 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 home page |
| 2 | The system shows the cart page |
| 3 | The user chooses an item and clicks 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

| | | | | | | |
|---------------------|---------------|---------------------|----------|-----------|------------|------------|
| Home | To do | Cart | Contact | Translate | Dropdown ▼ | Sign In |
| Your Cart | | | | | | Clear Cart |
| Image | Title Product | Price | Quantity | Actions | | |
| Your cart is empty. | | | | | | |
| Total Items: 0 | | Total Price: \$0.00 | | | | |

Figure 4 After click clear cart

UC8: Search Product

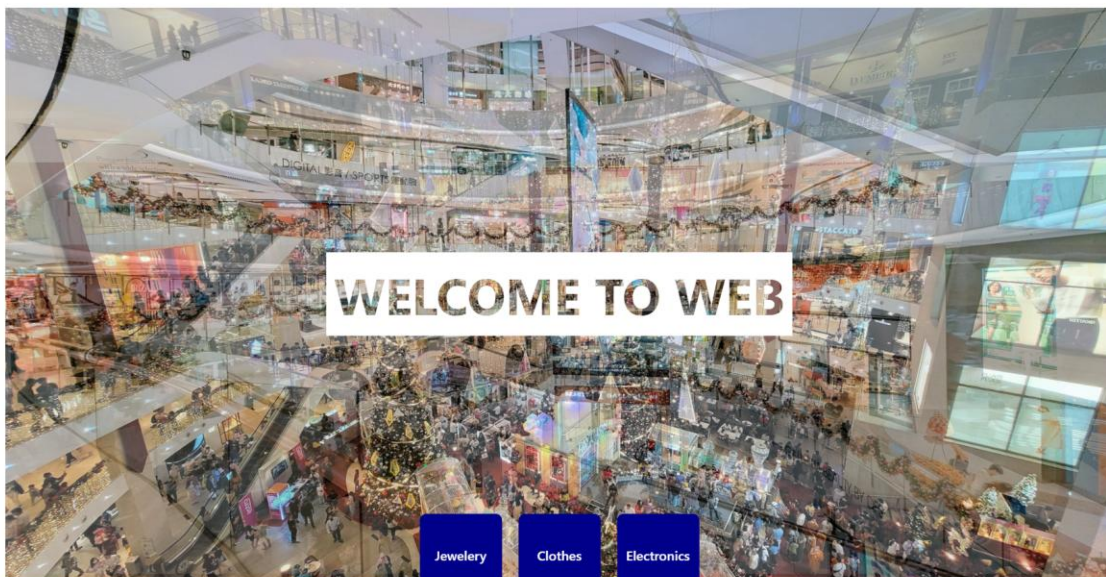
Basic flow

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

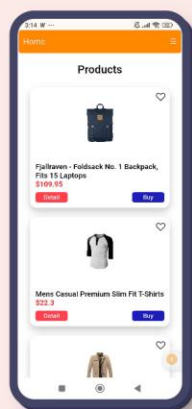
Exception flow

| | |
|---|---|
| 1 | The user deletes the characters in the search bar |
| 2 | The system shows all product |

Mock-up screen



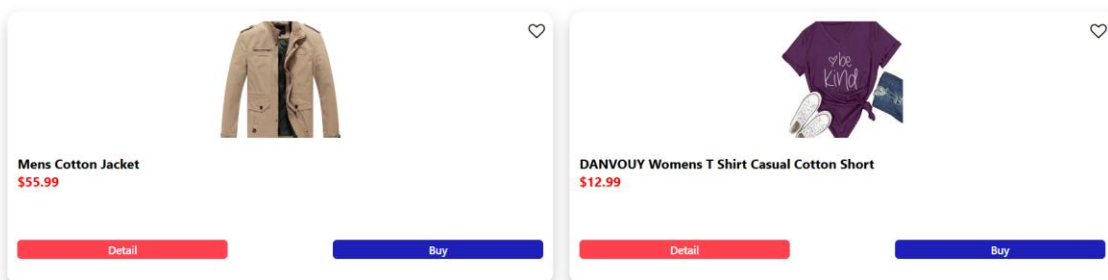
Introduce App



This is heading

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Products



UC9: Sign 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 |

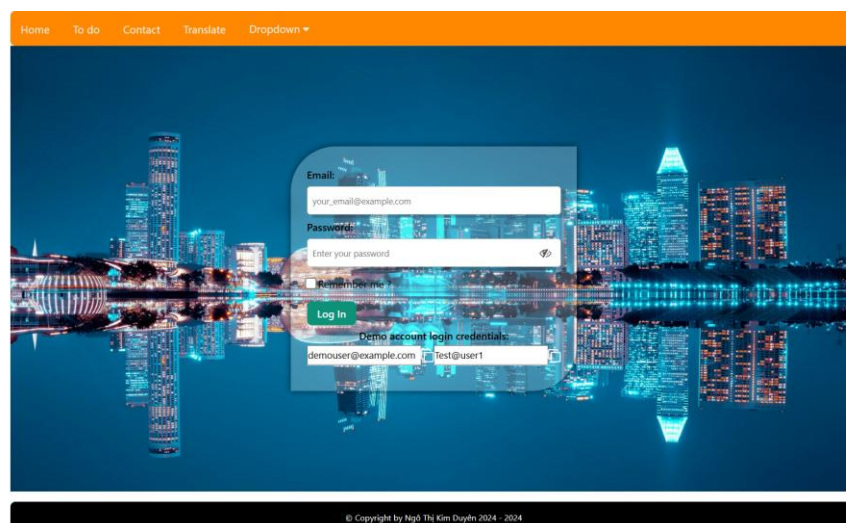
Exception flow 1 – User fills incorrect email/password

| 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 8 characters long, contain an uppercase letter, a lowercase letter, a number, and a special character.” to inform the user. |

Mock-up screen



Business rule:

| | |
|--------------|--|
| BR-9 | Must have email and password if not, show ME008: "Required field" |
| BR-10 | The email format is invalid. The system shows an error message ME009: "Please enter a valid email address." |
| BR-11 | The password needs to have 8 characters and be encrypted |
| BR-12 | Password must be at least 8 characters long, contain an uppercase letter, a lowercase letter, a number, and a special character." to inform the user |
| BR-13 | 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 |

UC10: Log out account**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

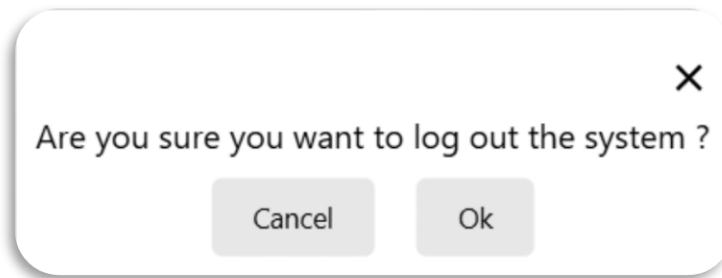


Figure 5 Notification log out

Business rule:

| | |
|--------------|---|
| BR-14 | The system deletes data user if the user clicks the “Ok” button |
|--------------|---|

UC11: 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

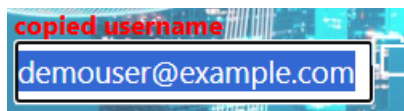


Figure 6 Copy username account

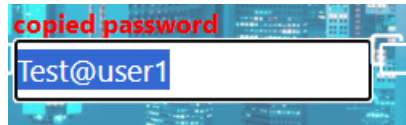


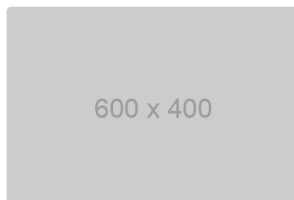
Figure 7 Copy password account

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

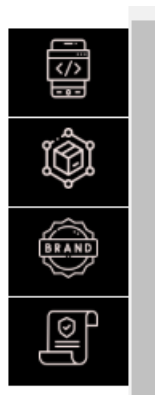
UC13: Scroll to element

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

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

Contact me



First Name

Last Name

Email author:

Select Country:

None

Select Author:

Leanne Graham

What is your gender? ☐ Male ☐ Female

What are your colors ? ☐ Red ☐ Orange ☐ Light Sky ☐ Yellow ☐ White

Description

Write something..

Choose Date:

mm/dd/yyyy

Submit

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| | |
|--------------|--|
| BR-15 | Click the submit button and all data in each field must be deleted |
|--------------|--|

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



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

[illegible]

Business rule

| | |
|--------------|--|
| BR-16 | 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-17 | When the user clicks the add button, the data is inserted in the table and the editor is blank |
| BR-18 | When the user clicks the cancel button, the editor is blank |
| BR-19 | 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 |

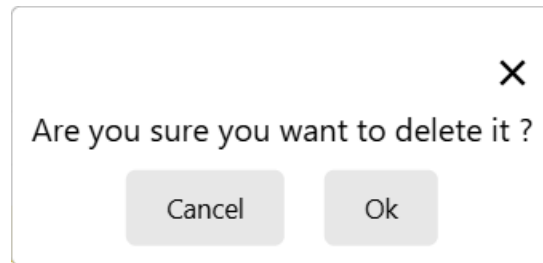
Exception flow 1:

| | |
|----------|---|
| 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: 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 checked="" type="checkbox"/> | test 2 - | Completed | |
| <input type="checkbox"/> | test 3 | To do | |

Business rule

| | |
|-------|---|
| BR-20 | When the user clicks the checkbox, the status is updated to "Completed" |
|-------|---|

UC4: 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 checked="" type="checkbox"/> | test 2 - | Completed | |
| <input type="checkbox"/> | test 3 | 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

