**URS01: The administrator can login to the system.**

The user has to log in to use the system. The user has to provide a username, password to the system. The system has to validate the username and password with the data in the database. After successful login, the system direct to Admin page.

**Prerequisite**

The system is already having the username and password for admin in the database.

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Username | The username format should be contain only letters, number, hyphens (-), and underscores (\_). | “Username1234” |  |
| Password | Username must be 4-10 characters. The password must contain the small letter, capital letter, and a number. | “password1234” |  |

**Flow of Execution**

1. The user browses for the home page.
2. The user click “log in” at the link top-right page.
3. The user has to input a username and password in the login page.
4. The system validates username and password.
5. After successful login, the system re-direct to the admin page.

**Alternative flow A, the validation error**

A.3 If the user input data in the wrong format, the system should provide the error message as

Followed:

The wrong username format: The error message is “The username must be contain only letters,

number, hyphens (-), and underscores (\_).”

The password length is not between 4-10 characters: The error message is “The password length

should be 4-10”

The wrong password format: The error message is “The password must contain the capital letter, and number”

After error message, the system returns the user to the login page and show alert red message above text box.

**Alternative flow B, The validation username and password**

B3. If the username and password are not matched in the system, the system does not allow to log in to the system, the error message “Incorrect username or password! Please try again” is shown.

After the error message, the system returns the user to the login page.

**Post condition**

The user is now in the student status

**URS02: The administrator can add the product to the system consists of the name, description, and pictures of the product.**

The administrator has to login to the system and go to the page add the product. The administrator has to input the name of the product, description and pictures. After fill all data, click add the product to the system.

**Prerequisite**

The user has to log in as an administrator.

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Product name | “ The product name should be contain letter or number” | “MOC TOE  Boot Shoe ” |  |
| Product description | “ The product description should be contain letter or number” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” |  |
| Product pictures | Picture | D:\875.jpg |  |

**Flow of execution**

1. The user browse to the add product page.

The administrator supplies the name, description, and pictures of the product.

1. The system validation data.
2. The user click “Add” button
3. The system store the data to the system
4. The system displays the message “Successful adding the product”.

**URS03: The administrator can edit details of the product.**

The user can manage the wrong information of the product by the user choose edit function to edit the name of product or description or pictures.

**Prerequisite**

The user has to log in the administrator.

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Product name | “ The product name should be contain letter or number” | “Red wing 875 MOC TOE  Boot Shoe ”change to “Red wing 8111” |  |
| Product description | “ The product description should be contain letter or number” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy”  change to  “Red Wing 8111 6 inch Moc Toe  Leather: Oro Legacy” |  |
| Product pictures | Picture | change the picture |  |

**Flow of Execution**

1. The user browses for the edit page.
2. The user selects a product that want to edit the information.
3. The user edit the information and save.
4. The system update the information in the system.
5. After successful update, the system alert message “Update completely”.
6. The system returns the user to the edit page.

**URS04: The administrator can remove the products out of the system.**

The user can managethe some product that the user doesn’t want to keep in the system by removing it out of the system.

**Prerequisite**

The user has to log in as an administrator.

**Input**

None

**Flow of Execution**

1. The user browses for the edit page.
2. The system show list all of the product.
3. The user selects a product that want to remove.
4. The user click “Remove” button.
5. The system delete the data in the system.
6. After successful delete, the system alert message “The product has been removed”.
7. The system returns the user to the edit page.

**URS05: The administrator can see the shopping history of all customers.**

The can see the shopping history. The system shows buying transaction of all customers.

Prerequisite

The user has to log in as an administrator.

**Input**

None

**Flow of Execution**

1. The user has to login to the system.
2. The user selects a product that want to edit the information.
3. The user edit the information and save.
4. The system update the information in the system.
5. After successful update, the system alert message “Update completely”.
6. The system returns the user to the edit page.

**URS06: The administrator can log out the system.**

The administrator can log out of the system by click “log out” button at top right page.

**Prerequisite**

The user has to log in as an administrator.

**Input**

None

**Flow of Execution**

1. The user has to login to the system.
2. The user selects “log out “button at top right page.
3. The system logs out of user in the system.
4. After successful log out, the system shows the message “Logged out”.
5. The system return to the homepage UI.

**URS07: The customer can register an account to access with the system.**

The userhas to register their information in order to use the system. The user has to provide the user’s name, surname, username, password, address, email, and picture to register to the system.

Input

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| User’s name | The user’s name format should be only alphabet. | “Michael” |  |
| Surname | The surname format should be only alphabet. | “Jackson” |  |
| Username | Username format should be contain only letters, number, hyphens (-), and underscores (\_). | “Username1234” |  |
| Password | Password must be 4-10 characters. The password must contain the small letter, capital letter, and a number. | “Password1234” |  |
| Address | The address length must not longer than 150 characters. | “239 Huay Kaew Road, Muang District, Chiang Mai, Thailand, 50200**”** |  |
| Email | The email must be inform email | “example@example.com” |  |
| Picture | The picture’s user | D:\BrianMcFadden8.jpg |  |

**Flow of Execution**

1. The user browses for the registration page.

2. The user supplies all the information in the page.

3. The system validates the format of the input data and the existed data.

4. The system shows the message “Registered Successfully”.

**Alternative flow A, the validation error**

A.3 If the user input data in the wrong format, the system should provide the error message as

Followed:

The wrong user’s name format: The error message is “The name must be only characters”

The wrong surname format: The error message is “The surname must be only characters”

The wrong username format: The error message is “The username format should be contain only letters, number, hyphens (-), and underscores (\_).”

The password length is not between 4-10 characters: The error message is “The password must be 4-10 characters. “

The wrong password format: The error message is “The password must contain the small letter, capital letter, and number.”

The wrong email format: The error message is “Please enter your email address in the format.”

If address length is longer 150 characters: The error message is “The address length must not be longer than 150 characters”

After error message, the system asks the user to read the error message and return to edit the data.

**Alternative flow B, The existed data validation**

B3. If the username is already in the system, the system does not allow to register a new customer to the system, the error message “The username was used. Please try again” is shown.

After the error message, the system returns the user to the register page to edit the information.

**URS08: The customer can log in to the system.**

The registered users can log in to the system using their username and password

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Username | The username format should be contain only letters, number, hyphens (-), and underscores (\_). | “Username1234” |  |
| Password | Username must be 4-10 characters. The password must  contain the small letter, capital letter, and a number. | “password1234” |  |

**Flow of execution**

1. The user browse to the login page

2. The user supplies the username and password

3. The system validates the user name and password

4. The system shows the store page

**Alternative flow A, the validation error**

A.3 If the user input data in the wrong format, the system should provide the error message as

Followed:

The wrong username format: The error message is “The username must be contain only letters,

number, hyphens (-), and underscores (\_).”

The password length is not between 4-10 characters: The error message is “The password length

should be 4-10”

The wrong password format: The error message is “The password must contain the capital letter, and number”

After error message, the system returns the user to the login page and show alert red message above text box.

**Alternative flow B, The validation username and password**

B3. If the username and password are not matched in the system, the system does not allow to log in to the system, the error message “Incorrect username or password! Please try again” is shown.

After the error message, the system returns the user to the login page.

Post condition

The user is now in the customer status.

**URS09: The customer can update his registration information after he was a member.**

The customer can update registration information. The customer can change the information by choose edit account and edit the data and then save it to the system

**Prerequisite**

The user has to log in as a customer.

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| User’ name | The user’s name format should be only alphabet. | “Michael” |  |
| Surname | The surname format should be only alphabet. | “Jackson” |  |
| Username | The username format should be contain only letters, number, hyphens (-), and underscores (\_). | “Username1234” |  |
| Password | Username must be 4-10 characters. The password must  contain the small letter, capital letter, and a number. | “password1234” |  |
| Address | The address length must not longer than 150 characters. | “239 Huay Kaew Road, Muang District, Chiang Mai, Thailand, 50200**”** |  |
| Email | The email must be inform email | “example@example.com” |  |
| Picture | The picture’s user | D:\BrianMcFadden8.jpg |  |

**Flow of Execution**

1. The user browses for the edit account page.
2. The user edit the information .
3. The user click “save” button.
4. The system update the information in the system.
5. After successful update, the system alert message “Successfully updated account”.
6. The system returns the user to the edit account page.

**URS10: The customer can browse the product catalogs.**

The customer can browse the product catalog which the product information are already existed in the system.

**Prerequisite**

The user has to log in as a customer

**Input**

None

**Flow of Execution**

1. The user browse the product catalog by click at the tools bar “product catalog”.
2. The system retrieves the existing product form the database.
3. After successful update, the system alert message “Successfully updated account”.
4. The system displays the product list on the screen.

**URS11: The customer can search for the product name.**

The customer can search the product that the user wants to see which the product information are already existed in the system.

**Prerequisite**

The user has to log in as a customer

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| The Product Name | The product name should be contain letter or number | “Red wing 8111” |  |

**Flow of Execution**

1. The user uses the search box to search the product that the user want to see.
2. The system retrieves the existing product form the database.
3. The system displays the information of the product on the screen.

**Alternative flow A, the validation error**

A.2 if the system not found the product, the system should provide the error message as

Followed:

The product does not found: The message is “Not found item”

**URS12: The customer can add the product to his shopping cart.**

The customer can select the product that his want and add the product to his shopping cart.

**Prerequisite**

The user has to log in as a customer

**Input**

None

**Flow of Execution**

1. The system provide the list product catalog UI.
2. The customer selects the product that want and click add to cart.
3. The system adds the product that the user selected to the user’s cart.
4. The system display shopping cart UI contains all of the orders which the customer added.

**URS13: The customer can remove the added product on the shopping cart.**

The customer can remove the product which is added into the shopping cart list.

**Prerequisite**

The user has to log in as a customer

**Input**

None

**Flow of Execution**

1. The system provides the shopping cart UI.
2. The customer selects the product and click “Remove” the product on the customer’s cart.
3. The system delete the product that the user selected.
4. The system displays customer’s cart UI.

**URS14: The customer can select checkout to see the buying transaction summary.**

When the customer add the product that his want to customer’s cart finished. The customer can checkout to see the buying transaction summary.

**Prerequisite**

The user has to log in as a customer

**Input**

None

**Flow of Execution**

1. The system provides the shopping cart UI.
2. The customer click “Checkout” on the shopping cart UI.
3. The record the buying transaction into the database.
4. The system displays the buying transaction summary to the UI.

**Alternative flow A, the product not found**

A.2 if the system not found the product, the system should provide the error message as

Followed:

The product is not found: The message is “Not found item in cart”

The system return to shopping cart UI.

**URS15: The customer can see the shopping history which he had done the shopping process.**

The customer can see the shopping history , which the customer bought.

**Prerequisite**

The user has to log in as a customer

**Input**

None

**Flow of Execution**

1. The customer browses to the shopping history page.

2. The system provides the shopping history UI for the customer to see the history of his online shopping.

2. The system shows all buying transaction details, including the order id, date, product name, price, quantity, total price and the transaction status on the user interface..

**Alternative flow A, the validation error**

A.2 If the customer has not the buying anything or the system has not found the transaction history, the system should provide the prompt message

Followed:

The history is not found: The message is “Your account no have the transaction history”

**URS16: The customer can save the shopping cart which will be shopping ​​later.**

After the customer selects the product finished and they don’t want to pay now. The customer can save all list of product which selected and can come back to continues to shop letter.

**Prerequisite**

The user has to log in as a customer

**Input**

None

**Flow of Execution**

1. The user enters the checkout UI and click checkout.
2. The system records the data in the shopping cart to the database.

**URS17: The customer can log out the system.**

The customer can log out of the system by click “log out” button at top right page.

**Prerequisite**

The user has to log in as an administrator.

**Input**

None

**Flow of Execution**

1. The user has to login to the system.
2. The user selects “log out “button at top right page.
3. The system logs out of user in the system.
4. After successful log out, the system shows the message “Logged out”.
5. The system return to the homepage UI.

**URS18: The customer can continue shopping the latest cart.**

If the customer login to the system and system found, customer has ever chosen the product from last time. The customer can continue shopping the latest shopping.

**Prerequisite**

The user has to log in as an administrator.

**Input**

None

**Flow of Execution**

1. The user has to login to the system.
2. The system checks history of shopping last time which does not complete yet.
3. The system retrieve the shopping cart data from the database
4. The system displays the shopping cart summary of the latest shopping process.
5. The user can continue to shopping.