**E- Shopping**

**URS 01**: The user can login as a member

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

**Prerequisite**: The users registered as a member in the system.

**Actors**: Customer’s member

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| Username | The username can mix the character with the number. The length should not over 20 characters. | Text | “Gloyjai123” | The username must be unique and not already existed in the system. |
| Password | Username must be 4-  20 characters. The password must contain the small letter, capital letter and number. | Text | Bt999 |  |

**Flow of execution:**

1. The user browses 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 home page.

5. The customer’s picture shows at top-right of the web page.

**Alternative flow A:** Username and password are not correct.

A3. If username and password are not passing the validation, the system shows the error message “Incorrect username or password”

**Alternative flow B**: Username and password are empty.

B3. If the username or password is empty, the system shows an error message “Can’t leave this empty.”

Alternative flow C: Username and password are not existed.

C3. If username does not exist in the database, the system show error message ”This username are not exist.”

**Output:** user can log in to the system

**URS 02**: The administrator can login as an admin

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

**Prerequisite**: The administrator already has existed data in the system.

**Actors**: Administrator

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| Adminname | The admin name can mix the character with the number. The length should not over 20 characters. | Text | “Baitarn99” | The admin name must be unique and not already existed in the system. |
| Password | Password must be 4-  20 characters. The password must contain the small letter, capital letter and number. | Text | Bt999 |  |

**Flow of execution:**

1. The administrator browse to the login page.

2. The administrator supplies the username and password.

3. The system validates the username and password.

4. The system shows the home page.

**Alternative flow A:** The admin name and password is not matched.

A3. If the username and password are not matched, the system shows the error message “Incorrect admin name or password”

**Alternative flow B**: The admin name and password is empty.

B3. If the admin name or password is empty, the system shows an error message “Can’t leave this empty.”

**Output:** the administrator is logged in to the system.

**URS 03**: The users can register themselves as member

The user has to register their information in order to use the system. The user has to provide the user’s name, address, username, password, and picture to register to the system. For the password, the user has to enter. After finish registration, the user must receive the successful registration page.

**Prerequisite**: The users have to open the website.

**Actors**: User’s non-member

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| Name | Only alphabet is allowed. No special character can be used.  The length should not over 20 characters. | Text | “Kanokwan” |  |
| Address | The address can contain the small letter, capital letter, and the number. | Text | “House No.197 Chroenrat Road, Watgate sub-district, Mueng Chiang Mai district, Chiang Mai province, 5000, Thailand” | The address must contain are house no., road, sub-district, district, province, zip code and country. |
| Username | The username can mix the character with the number. The length should not over 20 characters. | Text | “Gloyjai123” | The username must be unique and not duplicate with the exited data in the system. |
| Password | Username must be 4-  20 characters. The password must contain the small letter, capital letter and number. | Text | Gloy123 | The user must supply the password again to confirm that the user supplies the correct password. |
| Picture | The picture type of file must be JPEG image. The size of a picture is unlimited. | Image File | vcm_s_kf_m160_155x160.jpg  Me.jpg |  |

**Flow of execution:**

1. The user browses for the registration page.

2. The user input 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 successful registration page.

5. The system adds the registration result of the customer to the system.

**Alternative flow A**: The validation error

A3. If the user input data in the wrong format, the system should provide the error message as followed:

* The wrong name format: The error message is “The name must be only characters”
* The username length is not over 20 characters: The error message is “The username length should not over 20”
* The password length is not between 4-20 characters: The error message is “The password length should be 4-20”
* The user supplies the password in the password and the re-enter password block with the difficult password: The error message is “These passwords don’t match. Try again”
* The wrong picture format: The error message is “The picture should be JPEG image (.jpg)”
* After error message, the system asks the user to read the error message and update the data.

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

B3. If the username is already in the system, the system does not allow registering new customer to the system, the error message “The username is already existed” is shown.

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

**Alternative flow C**: The information is empty.

C3. If any of information form is empty, the system shows an error message “Can’t leave this empty.”

**Output:** The system add new customer to database.

**URS 04**: The customers can update their information

The customer can update their existed information in the system. The customer can edit own profile including the customer’s name, address, password, and picture in the system. After finish update, the customer can see their new information.

**Prerequisite**: The customers already register and login to the system.

**Actors**: Customer’s member

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| Name | Only alphabet is allowed. No special character can be used.  The length should not over 20 characters. | Text | “Worapan” |  |
| Address | The address can contain the small letter, capital letter, and the number. The length unlimited characters. | Text | “House No.19 Chon Road, Gate sub-district, Mueng Chiang Mai district, Chiang Mai province, 52000, Thailand” | The address must contain are house no., road, sub-district, district, province, zip code and country. |
| Password | Username must be 4-  20 characters. The password must contain the small letter, capital letter and number. | Text | Bt999 | The user must supply the password again to confirm that the user supplies the correct password. |
| Picture | The picture type of file must be JPEG image. The size of the picture is unlimited. | Image File | vcm_s_kf_m160_155x160.jpg  Me.jpg |  |

**Flow of execution:**

1. The customer login to the system.

2. The customer browses for the update information page.

3. The customer edit their information in the page depend on demand of customer.

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

5. The system adds the recent data of the customer to the system.

6. The system shows the new information of a customer.

**Alternative flow A**: The validation error

A4. If the customer input data in the wrong format, the system should provide the error message as followed:

* The wrong name format: The error message is “The name must be only characters”
* The password length is not between 4-20 characters: The error message is “The password length should be 4-20”
* The wrong password format: The error message is “The password must contain the small letter, capital letter and number”
* The customer supplies the password in the password and the re-enter password block with the difficult password: The error message is “These passwords don’t match. Try again?”
* The wrong picture format: The error message is “The picture should be JPEG image (.jpg)”
* After error message, the system asks the customer to read the error message and update the data.

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

B4. If the username is already in the system, the system does not allow update new information to the system, the error message “The username is already existed” is shown.

* After the error message, the system returns the customer to the update information page to edit the information.

**Alternative flow C**: The information is empty.

C4. If any of information form is empty, the system shows an error message “Can’t leave this empty.”

**Output:** The system update new information to thedatabase

**URS 05:** The users can log out from the system

The users can log out from the system

**Prerequisite**: The customers already login to the system.

**Actors**: Admin and Customer

**Input:** None

**Flow of execution:**

1. The customer login to the system.

2. The customer log out from the system by press the “logout” button.

**Output:** The system delete user’s session. The user can log out from the system.

**URS 06**: The administrator can add products.

The administrator has to provide details of the product which contain product id, product name, product description, price and picture of the product. After finish manages the product, the administrator must receive the successful manage product message.

**Prerequisite**: The administrator has to login to the system.

**Actors**: Administrator

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| PID | The 6 digit number indicate the product id | Int | 123456 |  |
| Product Name | The product name length must not be longer than 40 characters. Only alphabet is allowed. No special character can be used. | Text | “Brownie” |  |
| Product Description | The product description can explain briefly about the product. The character can be a small letter, capital letter, and the number. | Text | “A chocolate brownie is a flat, [baked](http://en.wikipedia.org/wiki/Baking) square or [bar](http://en.wikipedia.org/wiki/Dessert_bar) developed in the [United States](http://en.wikipedia.org/wiki/United_States).” |  |
| Price | The value of the product. | Double | 29.00 |  |
| Picture | The picture type of file must be JPEG image. | Image File | Aglayan pasta.jpg  Brownie.jpg |  |

**Flow of execution:**

1. The administrator browses for the manage product page.

2. The administrator 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 successfully manage product.

5. The system adds the result of the product to the system.

**Alternative flow A**: The validation error

A3. If the user input data in the wrong format, the system should provide the error message as followed:

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

The product id length is unequal 6 digits: The error message is “The product id length should have 6 digits”

The wrong picture format: The error message is “The picture should be JPEG image (.jpg)”

The wrong price format: The error message is “The price must contain the double number”

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

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

B3. If the product id is already in the system, the system does not allow registering a new product to the system, the error message “The product id is already existed” is shown.

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

**Alternative flow C**: The information is empty.

C3. If any of information form is empty, the system shows an error message “Can’t leave this empty.”

**Output:** The system adds new product to the database.

**URS 07**: The administrator can see the all shopping history

The administrator can see all of customer’s transaction and information from the shopping history in each customer’s page.

**Prerequisite**: The customer ever finished buying process at least once.

**Actors**: Administrator

**Input:** None

**Flow of execution:**

1. The administrator browses to the history in the customer’s page.

2. The system shows the entire of shopping history of customer. The customer’s name, cart ID, checkout status, and total price.

**Output:** The system shows all history that are in the database.

**URS 08**: The customer can browse the catalog

The customer can browse to the catalog page.

**Prerequisite**: The users have to open the website.

**Actors**: Customer’s member

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| Catalog Page | The catalog page is the page which shows the entire catalog in the system. | menu | “Product” | The product page must be select by the customer.  The condition of the page which can be input to the system each time.  The page value is Cake.com/Product.jsp |

**Flow of execution**

1. The customer browses to the catalog page.

2. The system shows the entire catalog consists of any type of product.

**Alternative flow:** None

**Output:** The system provides product catalog page.

**URS 0**9: The customer can search the product

The customer can search the product name using the related keyword to find that product.

**Prerequisite**: The customers have to open website.

**Actors**: Customer

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| Search keyword | The search keyword can be any character which related to the product’s keyword. | Text | “Cheese Cake” | The search’s keyword must be match with existed product in the system. |

**Flow of execution:**

1. The customers have to enter to the system.

2. The customer supplies the keyword in the search box.

3. The system validates the keyword.

4. The system shows the result page.

**Alternative flow A:** The keyword is not matched.

A3. If the keyword is not matched, the system shows the error message “No matched product found”

**Output:** The system shows the search result.

**URS 10**: The customer select product to shopping cart.

The customer can select the product by select as many products as their needs to the shopping cart.

**Prerequisite**: The customers browse to the product page.

**Actors**: Customer

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| Product ID | The product id must be a unique number. | Int | 123 | 123 = Brownie  124 = Cheese Cake  125 = Strawberry Pie  Customer can select only the available list on the screen. |

**Flow of execution:**

1. The customers browse to the product page.

2. The customer chooses a product to the shopping cart.

3. The system adds the product which the customer selects to the cart to the database.

**Alternative flow A:** The product is unavailable.

A2. If the product is unavailable, the system shows the error message “This product is now unavailable”

**Output:** The system shows the cart table that already add a new product.

**URS 11**: The customer can view shopping cart summary.

The customer can view a summary of shopping cart including all selected product and total price.

**Prerequisite**: The customers choose the product to the shopping cart.

**Actors**: Customer

**Input:** None

**Flow of execution:**

1. The customer browses to shopping cart page.

2. The system shows the summary of shopping cart page. In each summary report, the shopping cart id, and an entire list of the products which customer and total price.

**Alternative flow A:** The shopping cart is empty.

A2. If the shopping cart is empty, the system shows the total price is 0.00 THB

**Post condition:** The customer sees the total price of the shopping cart.

**URS 12**: The customer can check out the shopping cart

The customer can finished their buying process of the shopping cart by check out the shopping cart and select payment option and buying information.

**Prerequisite**: The customer choose payment option

**Actors**: Customer

**Input:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Example | Remarks |
| Checkout | To confirm that the customer who wants to finish their buying process. | int | 0 | 0 = Already checkout  1 = Not check out yet  Customers always have not checked out status till they select “checkout” to finish buying process. |
| Payment Option | Select the payment option | int | 1 | 1 = Money Transfer  2 = Credit card  3 = Paypal |
| Name | Name of product receiver | String | “Nontra Mahachanont” |  |
| Address | Address of receiver | String | “106/103 Nonghoi, Meung, Chiang Mai, 50000” |  |
| submit | Press submit button to finish buying process | button | Submit |  |

**Flow of execution:**

1. The customer browses to the cart page.

2. The customer select checkout.

3. The customer select payment option.

4. The customer fill Buying Information including name, and address.

5. The customer select confirm to finish buying process.

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

7. The system shows the successful buying message.

**Alternative flow A3:** User select money transfer

* The customer has to select the bank name.

**Alternative flow B3:** User select Credit card

* The customer has to input credit card number.

**Alternative flow C3:** User select Paypal

* The customer has to input Paypal ID.

**Output:** The system save checkout status and buying information to the database.

**URS 13**: The customer can see the buying history

The customer can see their buying transaction from the shopping history in the customer’s page.

**Prerequisite**: The customer ever finished buying process at least once.

**Actors**: Customer

**Input:** None

**Flow of execution:**

1. The customer browses to the shopping history in the customer’s page.

2. The system shows the entire of shopping history which customer already finished their transaction. The customer’s name, list of each transaction, time to finished a process, summary of total price are also shown in the report.

**Alternative flow A:** The customers never finish their transaction

A2. If the customers never finished transaction, the system shows the error message “Not found transaction history”

**Output:** The system shows all shopping history of user.