**User Requirement Specification**

**URS-01: The customer can register their information to the system**

***Description:***

The customer can register their information into the database.

***Precondition:***

The customer shall open the website and appear the index page.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Name | String | Name must be only character and its length must less than 30 character. |
| Surname | String | Surname must be only character and its length must less than 30 character. |
| Address | String | - |
| Email | String | Name must be only character and its length must less than 30 character. |
| Username | String | Username must be at least 4 characters. |
| Password | String | Password length should be 4-20 character. |
| Picture | BLOB | Picture format must be only .jpg, .jpeg, and .png. |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page on the customer.

3). The customer clicks on “register” menu at the index page.

4). The system shall provide the register page on the customer.

5). The customer type their information consist of name, surname, address, email, picture, username and password.

6). The customer clicks on “Submit” button on the register page to confirm the registration.

***Alternative flow:***

***Output:***

The customers’ information is added into the users’ database.

***System Requirement Specification:***

**URS-02: The customer can login to the system.**

***Description:***

The customer can use their username and password in order to access to the system.

***Precondition:***

The customers have to register with their information already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Username | String | Username must be at least 4 characters. |
| Password | String | Password length should be 4-20 character. |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page.

***Alternative flow:***

***Output:***

The customer view their picture at the top-right on the index page to confirm that customer has login already.

***System Requirement Specification:***

**URS-03: The customer can update their account information.**

***Description:***

The customer can edit their information and change the picture on the edit account page.

***Precondition:***

The customers have to register and login already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Name | String | Name must be only character and its length must less than 30 character. |
| Surname | String | Surname must be only character and its length must less than 30 character. |
| Address | String | - |
| Email | String | Name must be only character and its length must less than 30 character. |
| Username | String | Username must be at least 4 characters. |
| Password | String | Password length should be 4-20 character. |
| Picture | BLOB | Picture format must be only .jpg, .jpeg, and .png. |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer clicks on “My account” menu on the index page.

9). The system shall provide the customers’ information on the account page.

10). The customer clicks on “Edit account” button on the account page.

11). The system shall provide the edit account page to the customer.

***Alternative flow:***

***Output:***

The system shall update the customers’ account into the database.

***System Requirement Specification***

**URS-04: The customer can search for the product name.**

***Description:***

The customer can search the product from search box on the website.

***Precondition:***

The customers have to register and login already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Productname | String | Productname must be at least 1 character. |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer types a product name in search box at the top-right on the index page.

9). The customer clicks on “Search” button to search the products result.

***Output:***

The customers view the products’ information follow the products name that customer want to search on the product page.

***System Requirement Specification:***

**URS-05: The customer can browse the product from products catalogs.**

***Description:***

The customer can select the product from products catalogs on the index page.

***Precondition:***

The customers have to register and login already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer selects a product from product catalogs.

9). The system shall add the products’ information in the shopping carts’ database.

10). The system shall provide the product description page to the customer.

***Output:***

The system shall display the product name, picture, and price in the product catalogs.

***System Requirement Specification:***

**URS-06: The customer can add the productsto cart.**

***Description:***

The customer can select a product and add to cart.

***Precondition:***

The customers have to register and login already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer selects a product.

9). The system shall provide the product description to customer.

10). The customer clicks on “Add to cart” button to submit the product.

***Alternative flow:***

***Output:***

The customer can view the product list on the shopping cart page.

***System Requirement Specification:***

**URS-07: The customer can identify amount of the product at least one.**

***Description:***

The customer can select the amount of each product in the product description page.

***Precondition:***

The customers have to register and login already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Amount | int | Amount number must be at least 1. |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer selects a product from product catalogs.

9). The system shall provide the product description page to the customer.

10). The customer identifies the amount of products.

11). The customer clicks on “Add to cart” to confirm the amount.

***Output:***

The customer views correctly amount of each product on the shopping cart page.

***System Requirement Specification:***

**URS-08: The customer can view the customers’ shopping cart.**

***Description:***

The customer can view their customers’ s shopping cart, which is consist of product name, product description, amount and price.

***Precondition:***

The customers have to select the product to the cart.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Amount | int | Amount number must be at least 1. |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer selects a product from product catalogs.

9). The system shall provide the product description page to the customer.

10). The customer identifies the amount of products.

11). The customer clicks on “Add to cart” to confirm the amount.

12). The system shall redirect to the shopping cart page to the customer.

***Output:***

The customer views their shopping cart list on the shopping cart page.

***System Requirement Specification:***

**URS-09: The customer can save the shopping cart.**

***Description:***

After the customer logout from the website. The customer can continue their shopping when they login again.

***Precondition:***

The customer must have at least one product in their shopping cart list.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall set the session from customers’ id in each login process.

7). The system shall redirect to the index page to the customer.

***Output:***

The customer can continue shopping with the old shopping list when they login again.

***System Requirement Specification:***

**URS-10: The customer can remove the product from shopping cart.**

***Description:***

The customer can remove a product from shopping cart list in the shopping cart page.

The customer must have at least one product in their shopping cart list.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer selects a product from product catalogs.

9). The system shall provide the product description page to the customer.

10). The customer identifies the amount of products.

11). The customer clicks on “Add to cart” to confirm the amount.

12). The system shall redirect to the shopping cart page to the customer

13). The customer selects the product that they want to remove from shopping cart list.

14). The customer clicks on “Remove from list” button to remove the products.

15). The system shall redirect to shopping cart page to the customer.

***Output:***

The product that customer select to remove from list was deleted from shopping cart list in the shopping cart page.

***System Requirement Specification:***

**URS-11: The customer can checkout the products.**

***Description:***

The customer can checkout the product after they add a product to cart finish.

***Precondition:***

The customer must have at least one product in their shopping cart list.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer selects a product from product catalogs.

9). The system shall provide the product description page to the customer.

10). The customer identifies the amount of products.

11). The customer clicks on “Add to cart” to confirm the amount.

12). The system shall provide the check out page to the customer.

13). The customer selects the payment option in the check out page.

14). The customer clicks on “Check out” button to submit the purchase.

14). The system shall redirect to the history page.

***Output:***

The customer views their purchase that consists of product name, product description, amount, total price and payment option in the history page.

***System Requirement Specification:***

**URS-12: The customer can select payment option.**

***Description:***

The customer can select payment option after they want to check out the product from the shopping cart page.

***Precondition:***

The customer must select the product and add a product to cart at least 1 items.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Payment | String | Payment must be only character format. |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer selects a product from product catalogs.

9). The system shall provide the product description page to the customer.

10). The customer identifies the amount of products.

11). The customer clicks on “Add to cart” to confirm the amount.

12). The system shall provide the shopping cart page to the customer.

13). The customer clicks on “Check out” button to submit a product.

14). The system shall provide the check out page to the customer.

15). The customer selects the payment option in the check out page.

***Output:***

The customer views the payment option of each purchase in their history page.

***System Requirement Specification:***

**URS-13: The customer can view the shopping history.**

***Description:***

After the customer purchase a product, they can view their shopping history in the history page.

***Precondition:***

The customer must purchase a product at least one items.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer clicks on “History” menu on the index page.

9). The system shall provide the history page to the customer.

***Output:***

The customer views their shopping history that consists of product name, product description, amount, total price and payment option.

***System Requirement Specification:***

**URS-14: The customer can logout from the system.**

***Introduction:***

The customer can logout from the website when they finish the purchase.

***Precondition:***

The customers have to login already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The customer type the website URL.

2). The system shall provide the index page to the customer.

3). The customer clicks on “Login” menu on the index page.

4). The system shall provide the login page to the customer.

5). The customer type username and password in the login page.

6). The customer clicks on “Login” button to submit.

7). The system shall redirect to the index page to the customer.

8). The customer clicks on “Logout” menu on the index page.

9). The system shall provide the alert message in order to confirm the customer.

10). The customer clicks on “Submit” button on alert message to confirm.

11). The system shall delete the customers’ session from site.

***Output:***

The pictures’ customers do not appear on the top-right in the index page and show the login menu in order to login again.

***System Requirement Specification:***

**URS-15: The administrator can login to the system.**

***Description:***

The administrator can login in order to manage the website.

***Precondition:***

The administrator must have their account in the database.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Username | String | Username must be at least 4 characters. |
| Password | String | Password length should be 4-20 character. |

***Execution flow:***

1). The administrator type the website URL.

2). The system shall provide the index page to the administrator.

3). The administrator clicks on “Login” menu on the index page.

4). The system shall provide the login page to the administrator.

5). The administrator type username and password in the login page.

6). The administrator clicks on “Login” button to submit.

7). The system shall provide the admin index page to the administrator.

***Output:***

The administrator views their picture at the top-right on the index page to confirm that administrator has login already.

***System Requirement Specification:***

**URS-16: The administrator can provide details of the products.**

***Description:***

The administrator can add the product and provide products’ description into the database.

***Precondition:***

The administrators have to login already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Name | String | Name must be only a character. |
| Description | String | Description must be only a character |
| Price | double | Price must be Thai Bath only. |
| Picture | BLOB | Picture format must be only .jpg, .jpeg, and .png. |

***Execution flow:***

1). The administrator type the website URL.

2). The system shall provide the index page to the administrator.

3). The administrator clicks on “Login” menu on the index page.

4). The system shall provide the login page to the administrator.

5). The administrator type username and password in the login page.

6). The administrator clicks on “Login” button to submit.

7). The system shall provide the admin index page to the administrator.

8). The administrator clicks on “Add product” button to provide the product.

9). The system shall provide the add product page to the administrator.

10). The administrator types the products’ information that consists of name, description, price and picture.

11). The administrator clicks on “Submit” to confirm the product.

12). The system shall redirect to the product page to the administrator.

***Output:***

The new product appears on the product page after administrator added a product.

***System Requirement Specification:***

**URS-17: The administrator can see the shopping history of all customers.**

***Description:***

The administrator can view the all customers’ history in the history page.

***Precondition:***

In the history database must contain at least one customers’ history.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The administrator type the website URL.

2). The system shall provide the index page to the administrator.

3). The administrator clicks on “Login” menu on the index page.

4). The system shall provide the login page to the administrator.

5). The administrator type username and password in the login page.

6). The administrator clicks on “Login” button to submit.

7). The system shall provide the admin index page to the administrator.

8). The administrator clicks on “History” menu in the admin index page.

***Output:***

The all of customers’ history appear on the history page.

***System Requirement Specification:***

**URS-18: The administrator can edit the details of the products.**

***Description:***

The administrator can edit the products’ information in the edit product page.

***Precondition:***

In the product database must contain at least one item in the database.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
| Name | String | Name must be only a character. |
| Description | String | Description must be only a character |
| Price | double | Price must be Thai Bath only. |
| Picture | BLOB | Picture format must be only .jpg, .jpeg, and .png. |

***Execution flow:***

1). The administrator type the website URL.

2). The system shall provide the index page to the administrator.

3). The administrator clicks on “Login” menu on the index page.

4). The system shall provide the login page to the administrator.

5). The administrator type username and password in the login page.

6). The administrator clicks on “Login” button to submit.

7). The system shall provide the admin index page to the administrator.

8). The administrator select the product that they want to edit the information.

9). The administrator clicks on “Edit product” button to edit the product.

10). The system shall provide the edit product page to the administrator.

11). The administrator types the products’ information that consists of name, description, price and picture.

12). The administrator clicks on “Submit” to confirm the product.

13). The system shall redirect to the product page to the administrator.

***Output:***

The products’ information was updated and showed in the product page.

***System Requirement Specification:***

**URS-19: The administration can delete the products from lists.**

***Description:***

The administrator can select on the product and remove from the product list.

***Precondition:***

In the product database must contain at least one item in the database.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The administrator type the website URL.

2). The system shall provide the index page to the administrator.

3). The administrator clicks on “Login” menu on the index page.

4). The system shall provide the login page to the administrator.

5). The administrator type username and password in the login page.

6). The administrator clicks on “Login” button to submit.

7). The system shall provide the admin index page to the administrator.

8). The administrator selects the product that they want to remove from the product lists.

9). The administrator clicks on “Delete a product” button to edit the product.

10). The system shall provide the alert message to the administrator.

11). The administrator clicks on “Submit” to confirm the product.

12). The system shall redirect to the product page to the administrator.

***Output:***

The product was deleted from the product list in the product page.

***System Requirement Specification:***

**URS-20: The administrator can logout from the system.**

***Description:***

The administrator can logout from the website when they finish managing website.

***Precondition:***

The administrators have to login already.

***Input:***

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Type*** | ***Remarks*** |
|  |  |  |

***Execution flow:***

1). The administrator type the website URL.

2). The system shall provide the index page to the administrator.

3). The administrator clicks on “Login” menu on the index page.

4). The system shall provide the login page to the administrator.

5). The administrator type username and password in the login page.

6). The administrator clicks on “Login” button to submit.

7). The system shall provide the admin index page to the administrator.

8). The administrator clicks on “Logout” menu in the index page.

9). The system shall provide the alert message to the administrator.

10). The administrator clicks on “Submit” button on the alert message to confirm.

11). The system shall delete the administrators’ session from site.

***Output:***

The pictures’ administrators do not appear on the top-right in the index page and show the login menu in order to login again.

***System Requirement Specification:***