# URS1-1. The users can access the product catalog

The user be able to access the product catalog that consists of Product Name, Product Description and Picture of the Product, after the user entered into the website main page.

Actor: The users

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Site name | The user must enter the website URL into User’s internet browser to access the main page | “www.eshoppingdemo.com” |  |

## Flow of Execution:

1. The user enter the website URL
2. The user browses the product catalog from the website main page.

# URS1-2. The users can register themselves as Customer

The user must register into the website, in order to using the other features as the Customer. The user have to provide Username, Password, Name, Address and Customer Picture into the system. After, the registration has been completed. The website will redirect to the website main page.

Actor: The users

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Username | Only Alphabet is allowed, within the range of 4-10 Characters | “milk” |  |
| Password | Can be any character within the range of 4-10 characters. | “ploy” |  |
| Name | Only The combination of alphabet and space is allowed. | “Suwichak Fungprasertkul” |  |
| Address | The Address of Customer. | “2023 Pennsylvania Avenue New Brunswick, NJ 08901” |  |
| Customer Picture | The Avatar of the Customer. | https://fbcdn-sphotos-f-a.akamaihd.net/hphotos-ak-prn2/t1/1234540_629994483711615_2102174808_n.jpg | The picture only supported on “JPG/JPEG” or “PNG” format. |

## Flow of Execution:

1. The user enters the main page.
2. The user enters the registration page.
3. The user provides the Customer information into the website.
4. The user submit the Customer registration form into the website.
5. The system validate the existing of the username and the information format.
6. The system redirect into the website main page with registration successful message.

Alternative Flow A: Format Validation Error

A.5 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 only 4-10 alphabet characters”
  + The wrong password format: The error message is “The password must be only 4-10 characters”
  + The wrong name format: The error message is “The name must be the combination of alphabet and space only”
  + The wrong file format or no file is uploaded: The error message is “No picture file is uploaded”

Alternative Flow B: Existing Username Validation Error

B.5 if the user submitted the data, but there is the existing username in the system. The system won’t allow the user the register with that Username. The system will display the error message “Existing Username, please using different Username” to the user.

# URS1-3. The user can log in as Customer

After the user registered into the system successfully. The user can log in as Customer with the provided Customer username and password.

Prerequisite: The user must have successfully registered as a Customer.

Actor: The user

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Username | Only Alphabet is allowed, within the range of 4-10 Characters | “milk” |  |
| Password | Can be any character within the range of 4-10 characters. | “ploy” |  |

## Flow of Execution:

1. The user enters the main page.
2. The user enters the login page.
3. The user provides the Login information into the website.
4. The user submit the Login registration form into the website.
5. The system validate Login information from the user.
6. The system redirect into the website main page with Customer information on the top right of the interface.

Alternative Flow A: Invalid Username and/or Password combination

If the username and password are not matched, the system will display the error message “Invalid Username and/or Password” to the user.

Post Condition:

The user is now in Customer status.

# URS1-4. The user can log in as Administrator

For accessibility of the administrator features, the user can also log in as Administrator to use the features in that level as well, by log in with Administrator Username and Password in Administrator User Authentication interface.

Actor: The user

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Username | Only Alphabet is allowed, within the range of 4-10 Characters | “milk” |  |
| Password | Can be any character within the range of 4-10 characters. | “ploy” |  |

## Flow of Execution:

1. The user enters the admin page on admin subdomain.
2. The user provides the Login information into the website.
3. The user submit the Login registration form into the website.
4. The system validate Login information from the user.
5. The system redirect into the website admin dashboard page.

Alternative Flow A: Invalid Username and/or Password combination

If the username and password are not matched, the system will display the error message “Invalid Username and/or Password” to the user.

Post Condition:

The user is now in Administrator status.

# URS1-5. Customer views his/her own information on Customer Basic Information section.

After the Customer has been logged in. Customer be able to view his/her own basic information section on the top-right of any web page to confirm his/her identity. Customer Basic Information is consisted of Customer Name, Customer Username and Customer Picture.

Actor: Customer

Input: None

## Flow of Execution:

1. Customer enters on any page on the Customer subdomain.
2. The system fetch the Customer information from the system’s database.

Alternative Flow A: Customer hasn’t been logged in

A.2 If, Customer didn’t logged in yet. The system won’t show this section for the user.

# URS1-6. Customer edits his/her own Customer information.

After the Customer has been logged in. Customer be able to edit his/her own Customer information, that is Customer Name, Customer Address, Customer Picture and Customer Password, whenever he/she needed.

Prerequisite: The user must have successfully registered as a Customer.

Actor: Customer

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Password | Can be any character within the range of 4-10 characters. | “ploy” |  |
| Name | Only The combination of alphabet and space is allowed. | “Suwichak Fungprasertkul” |  |
| Address | The Address of Customer. | “2023 Pennsylvania Avenue New Brunswick, NJ 08901” |  |
| Customer Picture | The Avatar of the Customer. | https://fbcdn-sphotos-f-a.akamaihd.net/hphotos-ak-prn2/t1/1234540_629994483711615_2102174808_n.jpg | The picture only supported on “JPG/JPEG” or “PNG” format. |

## Flow of Execution:

1. Customer enters the edit Customer Information page from Customer Basic Information section.
2. Customer provides the Customer information into the website.
3. Customer submit the Customer registration form into the website.
4. The system validate the information format.
5. The system reload the edit Customer Information page.

Alternative Flow A: Format Validation Error

A.5 if Customer 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 only 4-10 alphabet characters”

The wrong password format: The error message is “The password must be only 4-10 characters”

The wrong name format: The error message is “The name must be the combination of alphabet and space only”

# URS1-7. Administrator adds the product

Administrator be able to add the product for the website with the product information. The product information will consists of Product Name, Product Description, Product Price and the Product Pictures.

Prerequisite: The user must have logged in as Administrator.

Actor: Administrator

Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Product Name | Can be any character. | “2008 ONEHOPE California Zinfandel” |  |
| Product Description | The Description of the Product | “ONEHOPE California Zinfandel, created in partnership with Rob Mondavi Jr., starts with the foundation of an all-American grape, and is then custom blended with Syrah from select vineyards throughout Napa, Sonoma and the Central Coast of California.” |  |
| Product Price | Only number with 2 decimal points is allowed. | “1880.99” |  |
| Product Pictures | The Pictures of the Product. | http://static.wine-searcher.net/images/labels/57/10/onehope-zinfandel-california-usa-10205710.jpg  http://ecx.images-amazon.com/images/I/41lqvHBdSHL._SL160_SL150_.jpg | The pictures only supported on “JPG/JPEG” or “PNG” format. With maximum of 6 pictures. |

## Flow of Execution:

1. Administrator selects the product section.
2. Administrator enters Add a New Product page.
3. Administrator provides the Product information into the website.
4. The system validate the information format.
5. The system redirect to the Product Catalog page.

Alternative Flow A: Format Validation Error

A.4 if the user input data in the wrong format, the system should provide the error message as followed:

* + The wrong Price format: The error message is “The product price must be only number with 2 decimal point”
  + The wrong file format or no file is uploaded: The error message is “No picture file is uploaded”

# URS1-8. Customer searches for the Product by a keyword

Rather than browsing through Product catalog section, Customer can use an alternative ways to find the product by search the Product via a keyword.

Prerequisite: The user must have logged in as Customer.

Actor: Customer

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Keyword | Can be any character. | “California Zinfandel” |  |

## Flow of Execution:

1. Customer provides the keyword into the search section.
2. The system searches for the Product with provided keyword from the Customer.

# URS1-9. Customer view the search result

After the Customer sent the keyword for the search result. The system will display the search result as in the Product Catalog form for the Customer.

Prerequisite: Customer must sent the searching keyword to the system before.

Actor: Customer

Input: None

## Flow of Execution:

1. The system fetch the Product information with matching keyword.
2. The system display the matching Product(s) information in Product Catalog form.

Alternative Flow A: No matching result

A.2 if there is no matching result for provided keyword from Customer. The system shall display error message “No search result, please try again”

# URS1-10. Customer add the product into his/her own shopping cart.

After the Customer found the product that his/her looking for. In order to order for the product, Customer be able to add those product with certain amount of the quantity in Add to Cart section. Then, the system will create the shopping cart to store ordered product into the system.

*Note:*

* *Shopping Cart is the properties of the whole Shopping cart.*
* *Shopping Item is the Product properties of the single shopping item.*
* *Shopping List is the Quantity and Calculated Price for that single shopping item.*

Prerequisite: The user must have logged in as Customer.

Actor: Customer

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Quantity | Only the integer number, more than 0 is allowed | “55” |  |

## Flow of Execution:

1. Customer enter the Product Catalog page or Search Result Page.
2. Customer input the Quantity of product that Customer would like to order.
3. The system validate the format of the Product Quantity.
4. The system create the shopping item.
5. The system store the shopping item into the shopping cart.
6. The system create the shopping list.
7. The system store the shopping list into the shopping item.
8. The system display the shopping list page to Customer.

Alternative Flow A: Product Quantity validation error.

A.3 If Customer provided the wrong quantity format. The system will reload that page.

Alternative Flow B: Customer already got active shopping cart (Customer order something before, and he/she haven’t been checked out.)

B.4 If Customer already got active shopping cart, the system will fetch the information of that shopping cart, rather than create the new shopping item.

Alternative Flow C: Customer already got active shopping list (Customer order that product before, and he/she haven’t been checked out.)

C.6 If Customer already got active shopping list, the system will fetch the information of that shopping list, rather than create the new shopping list.

# URS1-11. Customer check out the shopping cart

When Customer check out the shopping cart. The system will display the form in Checkout interface that is Payment Method and Payment Number for the Customer to fill out. Including the summarized information of that shopping cart which is Total Price that Customer have to pay and the shopping list. After the Payment form has been submit. That shopping cart will be marked as archived and the payment will be marked as “Pending Payment” for manual validation process from the Administrator later.

Prerequisite: The user must have logged in as Customer and ordered at least a single product

Actor: Customer

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Payment Method | The payment option for Customer | “PayPal” | Only Three choice are available, that is:   * Money Transfer * Credit Card * PayPal |
| Payment Number | The Payment number of each payment method. Which use for manual validation process from the Administrator later. | “371449635398431” |  |

## Flow of Execution:

1. Customer view the shopping list page.
2. Customer selects Check out.
3. The system display the summarized shopping cart information into Customer
4. Customer input the payment form.
5. The system store the payment form into the system.
6. The system marked that shopping cart as archived and inactive.

# URS1-12. Customer view the Shopping History

Customer be able to view his/her own Shopping History to check the detail of the payment, the status the shopping cart and what his/her brought in each time.

Prerequisite: The user must have logged in as Customer.

Input: None

## Flow of Execution:

1. Customer enter the Customer Shopping History page.
2. The system fetch his/her shopping history for Customer.
3. The system validate the number of his/her shopping history.
4. The system display her/his shopping in Customer Shopping History page.

Alternative Flow A: No shopping history was found

A.4 if the system found out that there is no shopping history after the validation. The system will display the message “No shopping history was found”.

# URS1-13. Administrator view the Shopping History

Administrator be able to view all Customers shopping history in Administrator Shopping History Page. For the manual validation the shopping history information.

Prerequisite: The user must have logged in as Administrator.

Actor: Administrator

Input: None

## Flow of Execution:

1. Administrator enter the Administrator Shopping History page.
2. The system fetch all Customer shopping history for Administrator.
3. The system validate the number of the shopping history.
4. The system display the shopping in Administrator Shopping History page.

Alternative Flow A: No shopping history was found

A.4 if the system found out that there is no shopping history after the validation. The system will display the message “No shopping history was found”.

# URS1-14. Administrator view the Customer Payment History

Administrator be able to view the Customer Payment History to check for the correctness of each Payment History.

Prerequisite: The user must have logged in as Administrator.

Actor: Administrator

Input: None

## Flow of Execution:

1. Administrator enter the Administrator Payment History page.
2. The system fetch all Payment history for Administrator in Payment List page.

# URS1-15. Administrator edit the Customer’s payment information status

Administrator be able to manually validate the Customer’s payment information. To make sure that Customer didn’t entered wrong or invalid payment transaction. Moreover, Administrator can input the actually value of the received total price of each transaction for the future uses later.

Prerequisite: The user must have logged in as Administrator, and the system got at least a single one checked out Shopping Cart.

Actor: Administrator

## Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Payment Status | The payment status for each Payment Transaction. | “Invalid Checked Out” | Only Three choice are available, that is:   * Pending Checkout * Invalid Checkout * Successfully Transaction |
| Received Amount | The Actually amount has been received from Customer. | “4621.50” |  |

## Flow of Execution:

1. Administrator selects one of the Payment history from Payment List page.
2. Administrator input the Payment information status.
3. The system stored the administrator provided Payment Information status.
4. The system display the shopping in Administrator Shopping History page.

# URS1-16. Administrator edit the Product Information

After the product has been created. Administrator be able to edit the existing product information.

Prerequisite: The user must have logged in as Administrator. And have at least one product in the system.

Actor: Administrator

Input:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remarks |
| Product Name | Can be any character. | “2008 ONEHOPE California Zinfandel” |  |
| Product Description | The Description of the Product | “ONEHOPE California Zinfandel, created in partnership with Rob Mondavi Jr., starts with the foundation of an all-American grape, and is then custom blended with Syrah from select vineyards throughout Napa, Sonoma and the Central Coast of California.” |  |
| Product Price | Only number with 2 decimal points is allowed. | “1880.99” |  |
| Product Pictures | The Pictures of the Product. | http://static.wine-searcher.net/images/labels/57/10/onehope-zinfandel-california-usa-10205710.jpg  http://ecx.images-amazon.com/images/I/41lqvHBdSHL._SL160_SL150_.jpg | The pictures only supported on “JPG/JPEG” or “PNG” format. With maximum of 6 pictures. |

## Flow of Execution:

1. Administrator selects the product section.
2. Administrator enters Edit Product page.
3. Administrator provides the Product information into the website.
4. The system validate the information format.
5. The system redirect to the Product Catalog page.

Alternative Flow A: Format Validation Error

A.4 if the user input data in the wrong format, the system should provide the error message as followed:

* + The wrong Price format: The error message is “The product price must be only number with 2 decimal point”
  + The wrong file format or no file is uploaded: The error message is “No picture file is uploaded”