**URS01 The customer can register themselves to the system**

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

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Name | Only alphabet is allowed. No special character can be used. The length should not over 35 characters. | "Katniss" |  |
| Surname | Only alphabet is allowed. No special character can be used. The length should not over 40 characters. | "Everdeen" |  |
| Address | Address should be real information. The length should not over 50 characters. | "The Seem Distict 12 Panem" |  |
| Username | Username should be name or nickname of customer. The username must be 4-20 characters. | "Katniss" |  |
| Password | Passwords must have at least 6 characters and contain at least two of the following: upper case letters, lower case letters, numbers and symbols. | "Kate123" |  |
| Picture | The picture which size is 250x400 pixel |  |  |

**Output**

None

**Flow of Execution**

1. The user browses for the registration page.
2. The user provides all the information in the page
3. The system validates the format of the input data and the existing data.
4. The system show successful registration and show index page.

**Alternative flow A, the validation error**

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

The error message is “*Sorry the information is incorrect, Please try again*”

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

**B.3** If the username is already in the system, the system does not allow the user to register the new customer to the system. The system should provide the error message as followed:

The error message is “*The username is already existed*”

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

**URS02 The customer can log in to the system**

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

**Prerequisite**

The customer has to log in to the system

**Input and Output**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Username | Username should be name or nickname of customer. The username must be 4-20 characters. | "Katniss" |  |
| Password | Passwords must have at least 6 characters and contain at least two of the following: upper case letters, lower case letters, numbers and symbols. | "Kate123" |  |

**Output**

None

**Flow of Execution**

1. The user browses to login page.
2. The user provides username and password
3. The system validates username and password
4. The system shows the index page.

**Alternative flow A, the validation error**

**A.3** If the username and password are incorrect or not matched, the system should provide the error message

“*Sorry your username or password is incorrect, Please try again*”

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

**URS03: The customer can update their information**

The registered customer can update their name, address, username, password, and picture in the system.

**Prerequisite**

The customer has to log in to the system

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Name | Only alphabet is allowed. No special character can be used. The length should not over 35 character. | "Peeta" |  |
| Surname | Only alphabet is allowed. No special character can be used. The length should not over 40 character. | "Mellark" |  |
| Address | Address should be real information | "The Commercail Distict 12 Panem" |  |
| Password | Passwords must have at least 6 characters and contain at least two of the following: upper case letters, lower case letters, numbers and symbols. | "Peeta123" | |  | | --- | | The user must provide the password again to confirm that the user supplies the correct password. | |
| Picture | The picture which size is 250x400 pixel |  |  |

**Output**

None

**Flow of Execution**

1. The user browses for the editing page.
2. The user updates their the information in the page
3. The system validates the format of the input data and the existing data.
4. The system shows the updated information of customer on the top right of index page.

**Alternative flow A, the validation error**

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

The error message is “*Sorry the information is incorrect, Please try again*”

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

**URS04 The customer can see the product by the product catalog**

The customer can select the product catalog and see the related product which show name, description, picture, and price of each related product.

**Prerequisite**

The customer has to log in to the system

**Input and Output**

None

**Flow of Execution**

1. The customer browses to product page.
2. The system provides the product catalog.
3. The customer selects the product catalog.

The system shows the related product, which show name, price, description, and picture of each related product

**URS05 The customer can see the product by search the product name**

The customer can search the product by their name and see the related product which show name, description, picture, and price of each related product.

**Prerequisite**

The customer has to log in to the system.

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Product name | The name of product or some character of the product name. | “iPhone” or “ph” |  |

**Output**

None

**Flow of Execution**

1. The customer browses to product page.
2. The system provides the search product.
3. The customer search the product by enter product name.
4. The system shows the related products, which show name, price, description, and picture of each related product.

**URS06 The customer can select a product**

The user can select the product that user want. Then add to shopping cart with the product id, product name, description, price, and product picture.

**Prerequisite**

The customer has to log in to the system.

**Input and Output**

None

**Flow of Execution**

1. The customer browses to the catalogue page
2. The system shows all the products which the customer has search. In each product, the product id, product name, description and price.

**URS07 The customer can see the shopping cart**

The customer can see their shopping cart with the total price, and the list of products, which the customer gets. The total price calculation method is as followed:

1. Multiply the price of each product which price tag.

**Prerequisite**

The customer has to log in to the system.

**Input and Output**

None

**Flow of Execution**

1. The customer browses to the cart page.
2. The system shows the list of product which the customer has selected with the total price. In each product show the product id, product name and the price must be shown for each product.

**URS08 The customer can see their shopping history**

The customer can see their buying transaction of the shopping history, which the customer bought.

**Prerequisite**

The customer has to log in to the system.

**Input and Output**

None

**Flow of Execution**

1. The customer browses to the shopping history page.
2. The system shows all buying transaction of the shopping history which the customer has bought the products.

**Alternative flow A, the validation error**

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

“*The shopping history is empty!!*”

After the prompt message, the system asks the user to read the prompt message to inform.

**URS9 The customer can save shopping cart for the later shopping.**

The customer can save the shopping cart for continue shopping later**.**

**Prerequisite**

The customer has to log in to the system.

The customer has to add at least one product to the shopping cart.

**Input and Output**

None

**Flow of Execution**

1. The customer enters to shopping cart page.
2. The customer selects to save the shopping cart.
3. The system validates the shopping cart and adds the shopping cart details to the system database.

**URS10 The customer can continue their shopping when their return to the program later.**

The customer can continue on the saved shopping cart.

**Prerequisite**

The customer has to log in to the system.

The customer has to save the shopping cart at least one.

**Input and Output**

None

**Flow of Execution**

1. The customer browses to save shopping cart page.
2. The system provides a list of saved shopping carts from the system database.
3. The customer selects a saved shopping cart which customer wants to continue.
4. The system shows the shopping cart page.

**URS11 The customer can check out the shopping cart.**

**URS12 The customer can select payment method.**

**URS13 The customer can log out from the system.**

The registered customer can log out from the system.

**Prerequisite**

The customer has to log in to the system.

**Input and Output**

None

**Flow of Execution**

1. The system delete the session of user
2. The system shows the index page of customer.

**URS14 The administrator can login to the system**

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

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Username | The username must be 4-20 characters. | "Admin" |  |
| Password | Passwords must have at least 6 characters and contain at least two of the following: upper case letters, lower case letters, numbers and symbols. | "admin1234" |  |

**Output**

None

**Flow of Execution**

1. The user browses to login page for administrator.
2. The user provides username and password
3. The system validates username and password
4. The system shows the index page of administrator.

**Alternative flow A, the validation error**

**A.3** If the username and password are incorrect or not matched, the system should provide the error message

“*Sorry your username or password is incorrect, Please try again*”

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

**URS15 The administrator can add details of the products**

The user can add the details of product with product id, name, description and picture of the product into the system.

**Prerequisite**

The user has to log in as an administrator to the system.

**Input and Output**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** | **Output** |
| Product ID | The 6 digit number indicate the product id | 1 |  |  |
| Product name | The product name length must not be longer than 40 characters | “IPhone vintage USA” |  |  |
| Product description | The product description length must not be longer than 500 characters | “This case for iphone 4s, It vintage style” |  |  |
| Picture of product | The picture of product must has length 154X150 pixels |  |  |  |

**Flow of Execution**

1. The user brows the product page.
2. The system provides UI for user add the product id, name, description and provide the UI for user upload picture of product.
3. The user adds the details of product.
4. The system adds the product to the database.

**URS16 The administrator can edit details of the products**

The user can edit the id, name, description and picture of the product.

**Prerequisite**

The user has to log in as an administrator to the system.

**Input and Output**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** | **Output** |
| Product ID | The 6 digit number indicate the product id | 1 |  |  |
| Product name | The product name length must not be longer than 40 characters | “Iphone vintage USA” |  |  |
| Product description | The product description length must not be longer than 500 characters | This case for iphone 4s, It vintage style. |  |  |
| Picture of product | The picture of product must has length 154X150 pixels | Input picture | The old picture of product | The new picture of product. |

**Flow of Execution**

1. The user brows the product page.
2. The system shows the detail of product that user selected.
3. The system provides UI for user edit the product id, name, description, and provide the UI for user upload picture of product.
4. The user edits the details of product.
5. The system adds the new details of product to the database.

**URS17 The administrator can delete details of the products**

The user can delete the id, name, description and picture of the product.

**Prerequisite**

The user has to log in as an administrator to the system.

**Input and Output**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Product ID | The 6 digit number indicate the product id | 1 |  |
| Product name | The product name length must not be longer than 40 characters | “Iphone vintage USA” |  |
| Product description | The product description length must not be longer than 500 characters | This case for iphone 4s,  It vintage style. |  |
| Picture of product | The picture of product must has length 154X150 pixels | Delete picture of product in database. | The old picture |

**Flow of Execution**

1. The user brows the product page.
2. The system shows the detail of product that user selected.
3. The system provides UI for user delete the product id, name, description, and provide the picture of product.
4. The user deletes the details of product.
5. The system deletes the details of product in the database.

**URS18 The administrator can log out from the system.**

The administrator can log out from the system

**Prerequisite**

The user has to log in as an administrator to the system.

**Input and Output**

None

**Flow of Execution**

1. The system clears session of user
2. The system shows the index page.

**URS19 The administrator can see the shopping history of all customers.**

Theadministrator can see all the shopping histories of all customers. In each shopping history consist of product details, total price, and date.

**Prerequisite**

The user has to log in as an administrator to the system.

**Input and Output**

None

**Flow of Execution**

1. The administrator browses to shopping history page.
2. The system show shopping history of all customers.
3. The administrator selects to see specific shopping history.
4. The system shows shopping history details, which are the product name, product price, total price, and date.