Software Construction, Testing and Maintenance

**E-Shopping application**

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1. **Product Features**

Customer

**- URS-101: Customer can register to the system.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Username | Username must be between 6- 20 characters. | princez |  |
| Password | Password must be between 4-20 characters. | coffeeprince | User must supply the password again to confirm that the user supplies the correct pass word |
| Name | Only alphabet is allowed. No special character can be used. | “Singha Leo” |  |
| Address | The character cannot be more than 100 characters. | 17, M.2, Hang dong, Chiang Mai, Thailand, 50230 |  |
| Profile picture | The users can add picture to show themselves. Allowed JPG and PNG file only. | http://www.lfchistory.net/Images/other/coutinho05.jpg | Only file JPG and PNG are allowed. |

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.
4. The system shows the successful registration.

Alternative flow, the validation error

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

The username length is not between 6-20 characters: The error message is “The Username must be more than 6 but not over than 20 characters.”

The password length is not between 4-20 characters: The error message is “The password must be more than 4 but not over than 20 characters.”

The user supplies the password in the password and the re-enter the different password: The error message is “The password does not match”

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

The address length is more than 100 characters. The error message is “Too long”

The wrong picture format type. The error message is “Only .jpg and .png are allowed”

**- URS-102: Customer can log in.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Username | Username must be between 6- 20 characters. | princez |  |
| Password | Password must be between 4-20 characters. | coffeeprince |  |

Flow execution

1. The user browse to the login page
2. The user supplies the username and password
3. The system validates the username and password
4. The system shows the picture on the top right.

Alternative flow A: The username and password is not matched  
A3. If the username and password are not matched, the system shows the error message “Error, the username and password is not matched”

**- URS-103: Customer can log out.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Log out button | Click for logout. | Log out |  |

Flow execution

1. The user clicks the logout button.
2. The system shows the home page.

**- URS-104: Customer could edit profile.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| New-Password | Password must be between 4-20 characters. | coffeeprincess | User must supply the password again to confirm that the user supplies the correct pass word |
| Old-Password | Password must be between 4-20 characters. | coffeeprince | User must supply the old password again to confirm that the user supplies the correct pass word. |
| Address | The character cannot be more than 100 characters. | 17, M.2, Hang dong, Chiang Mai, Thailand, 50230 |  |
| Profile picture | The users can add picture to show themselves. Allowed JPG and PNG file only. | http://www.football-figurine.com/image/cache/data/daniel-agger-liverpool-600x600.jpg | Only file JPG and PNG are allowed. |

Flow execution

1. The user browses for the edit profile page.
2. The user can edit all the information in the page.
3. The system validates the format of the input data.
4. The system shows the successful edit.

**- URS-105: Customer could search product**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Search button | Click for Search product. | Power bank |  |

Flow execution

1. The user type a product name in the blank for searching product.
2. The system browses the product by a name.
3. The system shows the product result.

**- URS-106: Customer could add product in cart**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Add button | Click for add product to cart. | Add to cart |  |

Flow execution

1. The user looking for the product.
2. The user clicks add to cart button.
3. The system puts the product to the cart.

**- URS-107: Customer could delete product in cart**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Delete button | Click for delete product out from cart. | Delete product from cart |  |

Flow execution

1. The user browses for the check out page.
2. The system shows the product in cart.
3. The user click delete button.
4. The system remove product from cart.

**- URS-108: Customer can choose payment**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Name | Only alphabet is allowed. No special character can be used. Name of the product’s receiver. | Sornram Srikeaw |  |
| Delivery Address | The character cannot be more than 100 characters. The Location that product will deliver. | 17, M.2, Hang dong, Chiang Mai, Thailand, 50230 |  |
| Billing Address | The character cannot be more than 100 characters. The Location that billing will deliver. | 17, M.2, Hang dong, Chiang Mai, Thailand, 50230 |  |
| Payment option | The user can choose 3-way for pay the money | -Credit card  -PayPal  -Money transfer |  |

Flow execution

1. The user check out the cart.
2. The system shows the total cost and delivery address.
3. The user chooses the way to pay money.
4. The user confirms order.
5. The system show successful order.

**Admin**

**- URS-201: Admin can log in.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Username | Username must be between 6- 20 characters. | admins |  |
| Password | Password must be between 4-20 characters. | admin |  |

Flow execution

1. The admin browses to the login page.
2. The admin supplies the username and password.
3. The system validates the username and password.

**- URS-202: Admin can log out.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Log out button | Click for logout. | Log out |  |

Flow execution

1. The admin clicks the logout button.
2. The system shows the home page.

**- URS-203: Admin can add product.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Product Name | Only alphabet is allowed. No special character can be used. | Power bank |  |
| Cost | Only number allows. | 1000.00 THB |  |
| Information | The character cannot be more than 100 characters. | It contain 12000mAh |  |
| Product picture | The users can add picture to show themselves. Allowed JPG and PNG file only. | https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcShtKe74ngLH_mDbThUUCcGjjIwLVOwINNlTKOmcR6UH5189_vT | Only file JPG and PNG are allowed. |

Flow execution

1. The admin looking for the product.
2. The admin clicks add to cart button.
3. The system puts the product to the cart.

**- URS-204: Admin can delete product.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Delete button | Click for delete product. | Delete product. |  |

Flow execution

1. The admin browses for the storage page.
2. The system shows the all product
3. The admin choose product.
4. The admin click delete button.
5. The system remove product.

**- URS-205: Admin can edit product**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| Product Name | Only alphabet is allowed. No special character can be used. | Power bank |  |
| Cost | Only number allows. | 1200.00 THB |  |
| Information | The character cannot be more than 100 characters. | It contain 15000mAh |  |
| Product picture | The users can add picture to show themselves. Allowed JPG and PNG file only. | https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcTCyeY_2pIOLv27yh3B-w5A5nr4UOxEewX6VQZCMd3peODr-G_A1g | Only file JPG and PNG are allowed. |

Flow execution

1. The admin browses for the storage page.
2. The admin can edit all the information in the page.
3. The system validates the format of the input data.
4. The system saves edit data.

**- URS-206: Admin can see the history of customer**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Example | Remark |
| History button | Click for show history | History |  |

Flow execution

1. The admin clicks history button.
2. The system shows all of the history from customer.