URS 01, URS 02:

Description: To test login function.

**UTC-01:** public String getLoginPage(@RequestParam(value="error", required=false)

**Test Data:** none

**Test Class:** LoginLogoutController

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| 1 | Test user logout with valid condition. | Login | security/login |

**UTC-02:** public UserDetails loadUserByUsername(String s)

**Test Data:** \*The test data is already exists in database.

**Test Class:** UserDetailServiceImpl

**#Member**

|  |  |
| --- | --- |
| Name | “Kanokwan Maneerat” |
| Address | “Chiang Mai” |
| Username | “Gloyjai123” |
| Password | “Bt999” |
| Image | vcm_s_kf_m160_155x160.jpg  Me.jpg |
| Role | 2 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected Result** |
| **User object** |
| **Username** | **Password** | **Username** |
| 1 | Test password which existed in database. | “Gloyjai123” | “Bt999” | “Gloyjai1234” |
| 2 | Test password which not existed in database. | “Kiki000” | “1234” | null |
| 3 | Test adds no data. | null | | null |

**UTC-03:** public UserDetails loadUserByUsername(String s)

**Test Data:** \*The test data is already exists in database.

**Test Class:** UserDetailServiceImpl

**#Admin**

|  |  |
| --- | --- |
| **Username** | admin |
| **Password** | 1234 |
| **Role** | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected Result** |
| **User object** |
| **AdminName** | **Password** | **Username** |
| 1 | Test password which existed in database. | “admin” | “1234” | “admin” |
| 2 | Test password which not existed in database. | “kakak” | “2345” | null |
| 3 | Test adds no data. | null | | null |

**UTC-04:** public Collection<GrantedAuthority> getAuthorities(Integer access)

**Test Data:** \*The test data is already exists in database.

**Test Class:** UserDetailServiceImpl

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected Result** |
| **Collection** |
| **Role** | **Role** |
| 1 | Test role which is identify an admin | 1 | 1 |
| 2 | Test role which is identify an user | 2 | 2 |

URS 03:

Description: Test register function to the system.

**UTC-05:** public String addValidCustomer(@Valid Customer customer, BindingResult bindingResult, Model model, @RequestParam("file")MultipartFile file)

**Test Class:** CustomerController

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected**  **Result** |
| **name** | **address** | **username** | **password** | **image** | **Redirect** |
| 1 | Test adds name with valid name. | “Kanokwan Maneerat” | “Chiang Mai” | “Gloyjai123” | “Bt999” | vcm_s_kf_m160_155x160.jpg  Me.jpg | register |
| 2 | Test adds name with one blank input |  | “Chiang Mai” | “Gloyjai123” | “Bt999” | vcm_s_kf_m160_155x160.jpg  Me.jpg | index |

**UTC-06:** public String addUser(@ModelAttribute User user, BindingResult bindingResult,Model model)

**Test Class:** CustomerController

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected**  **Result** |
| **name** | **address** | **username** | **password** | **image** | **Redirect** |
| 1 | Test adds name with valid name. | “Kanokwan Maneerat” | “Chiang Mai” | “Gloyjai123” | “Bt999” | vcm_s_kf_m160_155x160.jpg  Me.jpg | user/list |

URS 04:

Description: Test updates customer detail in database.

**UTC-07:** public String addValidCustomer(@Valid Customer customer, BindingResult bindingResult, Model model , @RequestParam("file")MultipartFile file)

**Test Class:** CustomerController

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected**  **Result** |
| **name** | **address** | **username** | **password** | **image** | **Redirect** |
| 1 | Test adds name with valid name. | “Kanokwan Maneerat” | “Chiang Mai” | “Gloyjai123” | “Bt999” | vcm_s_kf_m160_155x160.jpg  Me.jpg | register |
| 2 | Test adds name with one blank input |  | “Chiang Mai” | “Gloyjai123” | “Bt999” | vcm_s_kf_m160_155x160.jpg  Me.jpg | index |

**UTC-08:** public String addUser(@ModelAttribute User user, BindingResult bindingResult,Model model)

**Test Class:** CustomerController

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected**  **Result** |
| **name** | **address** | **username** | **password** | **image** | **Redirect** |
| 1 | Test adds name with valid name. | “Kanokwan Maneerat” | “Chiang Mai” | “Gloyjai123” | “Bt999” | vcm_s_kf_m160_155x160.jpg  Me.jpg | user/list |

URS 05:

Description: Test log out function.

**UTC-09:** public String getLoginPage(@RequestParam(value="error", required=false)

**Test Data:** none

**Test Class:** LoginLogoutController

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| 1 | Test user logout with valid condition. | **http://www.squareonecontracting.ca/images/mouse-pointer-hi.png**Logout | security/logout |

URS 06:

Description: Test administrator add products.

**UTC-10:** public String addValidProduct(@Valid Product product, BindingResult bindingResult,Model model,@RequestParam("file")MultipartFile file)

**Test Data: \***The test data is already existed in database.

**Test Class:** ProductController

**#Product**

|  |  |
| --- | --- |
| PID | 123456 |
| Product Name | Brownie |
| Product Description | A brownie is a chocolate flat. |
| Price | 29.00 |
| Image | Aglayan pasta.jpg  Brownie.jpg |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | **Expected**  **Result** |
| **Product Name** | **Product Description** | **Price** | **Image** | **Redirect** |
| 1 | Test adds product with valid data. | Brownie | A brownie is a chocolate flat. | 29.00 | Aglayan pasta.jpg  Brownie.jpg | product/list |
| 2 | Test adds product with one blank input |  | A brownie is a chocolate flat. | 29.00 | Aglayan pasta.jpg  Brownie.jpg | product/addProduct1 |

**UTC-11:** public String addProduct (@ModelAttribute Product product, BindingResult bindingResult,Model model)

**Test Class:** ProductController

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | **Expected**  **Result** |
| **Product Name** | **Product Description** | **Price** | **Image** | **Redirect** |
| 1 | Test adds product with valid data. | Brownie | A brownie is a chocolate flat. | 29.00 | Aglayan pasta.jpg  Brownie.jpg | product/list |

URS 07:

Description: Test administrator see the shopping history of all customers in his/her page.

**UTC-12:** public String list(Model model)

**Test Data:** none

**Test Class:** HistoryController

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| 1 | Click at View History menu. | **http://www.squareonecontracting.ca/images/mouse-pointer-hi.png**View History | HistoryList |

URS 08:

Description: Test that customer can browse to catalog.

**UTC-13:** public String list(Model model)

**Test Data:** none

**Test Class:** ProductController

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| 1 | Click at Cake menu to view product list. | **http://www.squareonecontracting.ca/images/mouse-pointer-hi.png**Cake | productList |

URS 10:

Description: To test that customer can choose the product to shopping cart

**UTC-14:** public String callAddProductPage(Model model)

**Test Data:** none

**Test Class:** ShoppingCartController

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| 1 | Click at add button to add product to cart. | **http://www.squareonecontracting.ca/images/mouse-pointer-hi.png**Add | shoppingcart/Shoppingcart |

**UTC-15:** public String addToShoppingCart(@ModelAttribute ShoppingCart shoppingCart, BindingResult bindingResult,Model model)

**Test Data:** \*Test data of product are already in database.

**Test Class:** ShoppingCartController

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| 1 | Click at add button to add product to cart. | **http://www.squareonecontracting.ca/images/mouse-pointer-hi.png**Add | shoppingcart/list |

URS 11:

Description: Test that customer can view their shopping cart summary.

**UTC-16:** public String list(Model model)

**Test Data:** \*Test data of product are already in database.

**Test Class:** ShoppingCartController

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| 1 | Click at shopping cart menu to view shopping cart summary. | **http://www.squareonecontracting.ca/images/mouse-pointer-hi.png**shopping cart | ShoppingCartList |