URS 01 the user can log in as an administrator.

**Description:** Test user can log in as Admin.

**Unit Test Case 1(UTC-01):** public AdminAccountController(IAuthProvider auth)

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

**Refer to ITC-01**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| **Username** |
| 1 | Test user can log in which valid. | “Admin” | true |
| 2 | Test user can’t log in which invalid. | “AAA” | false |

**Unit Test Case 2(UTC-02):** public ActionResult AdminLogin(AdminLoginViewModel,String returnUrl)

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

**Refer to ITC-01**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected**  **Result** |
| **Username** | **Password** |
| 1 | Test input password which valid. | “Admin” | “secret” | System displays index page to admin. |
| 2 | Test input password which invalid. | “aaa” | “1234” | System shows error message “Incorrect username or password”. |

URS 03 The admin can add product

**Refer to: ITC01**

**Description:** Test admin can save product.

**Unit Test Case 3(UTC-03):** public ActionResult Edit(Product product)

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected**  **Result** |
| **User Object** | | | | |
| **Name** | **Price** | **Picture** | **Username** | **Password** |
| 1 | Test admin can save valid product. | “Bag01” | “450” | “001.jpeg” | “Admin” | “secret” | System shows message “Bag01 has been saved.” |
| 2 | Test admin cannot save invalid product. | “Bag02” | “1,000,000” | “001.jpg” | “aaa” | “1234” | System can’t save invalid changes. |

**Unit Test Case 4(UTC-04):** public ActionResult Delete(int productId)

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected**  **Result** |
| **User Object** | | | | |
| **Name** | **Price** | **Picture** | **Username** | **Password** |
| 1 | Test admin can delete valid product. | “Bag01” | “450” | “001.jpeg” | “Admin” | “secret” | System shows message “Bag01 was deleted.” |
| 2 | Test admin cannot delete invalid product. | “Bag02” | “1,000,000” | “001.jpg” | “aaa” | “1234” | System can’t delete invalid changes. |

URS 04 The customer can register, URS 05 The customer can edit profile.

**Description:** Test user can make a registration to the system.

**Unit Test Case 4(UTC-04):** public register(String username ,String password)

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

**Refer to ITC-01**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected**  **Result** |
| **User Object** | | | | |
| **Name** | **Address** | **Picture** | **Username** | **Password** |
| 1 | Test user can register with valid name. | “Rose” | “54 m.14 Chiangmai ,Thailand 54211” | “rose.jpeg” | “dokruk” | “1234” | User can register as customer. |
| 2 | Test user can’t add user with duplicated name. | “Rose” | “54 m.14 Chiangmai ,Thailand 54211” | “rose.jpeg” | “donut” | “5678” | User can’t register as customer. |
| 3 | Test add no data | null | | | | | null |

URS 06 The user can login as a customer.

**Description:** Test user can login as a customer.

**Unit Test Case 5(UTC-05):** public ActionResult(LoginViewModel model, String returnUrl)

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

**Refer to ITC-01**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected**  **Result** |
| **User Object** | |
| **Username** | **Password** |  |
| 1 | Test user can login as customer with valid name. | “dokruk” | “1234” | User can login as customer. |
| 2 | Test user can’t login as customer with invalid password. | “dokruk” | “5678” | User can’t register as customer. |

URS 08 The customer can search product

**Description:** Test user can search product.

**Unit Test Case 6(UTC-06):** public category(int ProductID , String ProductName)

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

**Refer to ITC-01**

**#Product**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **ProductName** | **Price** | **Picture** |
| 1111 | “bag01” | “450” | “001.jpg” |

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| ProductID |
| 1 | Test user can search product which is existed in database. | “1111” | The result of product is shown. |
| 2 | Test user can’t search product which is not existed in database. | “0” | System shows message “no result” |

URS 09 The customer can check out product

**Description:** Test user can check out product from cart.

**Unit Test Case 7(UTC-07):** public check out(Check out)

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

**Refer to ITC-03**

**#Product**

|  |  |  |  |
| --- | --- | --- | --- |
| **ProductID** | **ProductName** | **Price** | **Picture** |
| 1111 | “bag01” | “450” | “001.jpg” |

|  |  |
| --- | --- |
| **CartID** | **ProductID** |
| “01” | 1111 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected**  **Result** |
| **Product Object** | **Cart Object** |
| **ID** | **ID** |
| 1 | Test user can check out product from cart, product and cart is existed in database. | “1111” | “01” | The result of product is shown. |
| 2 | Test user can check out product from cart , product and cart is existed in database. | “00” | “01” | System shows message “no result” |

URS 11 The customer can view shopping history.

**Description:** Test user can view shopping history.

**Unit Test Case 8(UTC-08):** public Show(history)

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

**Refer to ITC-02**

|  |  |
| --- | --- |
| **ProductName** | **Trigger** |
| Bag01 | View shopping history |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected**  **Result** |
| **ProductName** | **Date** |
| 1 | Test user can view product history which date is existed in database. | Bag01 | 12 | The result of product is shown. |
| 2 | Test user can view product history which date is not existed in database. | Dress003 | 32 | System shows message “no shopping history” |

URS12 The customer can add product to shopping cart.

**Description:** Test user who is customer can add product to shopping cart.

**Unit Test Case 9(UTC-09):** public add product to shopping cart(Add product)

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

**Refer to ITC-04**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | **Expected**  **Result** |
| **User Object** | | |
| **Name** | **Username** | **Password** |  |
| 1 | Test user can add valid product. | “Bag01” | “Admin” | “secret” | System shows message “Bag01 has been added.” |
| 2 | Test user cannot add invalid product. | “Bag00” | “Admin” | “secret” | System can’t add invalid product. |
|  |  |  |  |  |  |