**URS01:** **The administrator can login to the system.**

**Description:** The user has to provide a username, password to the system. The system has to validate the username and password with the data in the database. After successful login, the system direct to Admin page.

**Integration Test Case (ITC-01):** public boolean validateUsername(String username)

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

|  |  |
| --- | --- |
| **Name:** | Peerapong |
| **Surname:** | Chompootepa |
| **Address:** | Lampang |
| **Username:** | AD001 |
| **Password:** | admin001 |
| **Email:** | 542115044@gmail.com |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | **Expected**  **Result** |
| **User Object** | | | | | | **Pass/Fail** |
| **Name** | **Surname** | **Address** | **Username** | **Password** | **Email** |
| 1 | Test existed in the database. | “Peerapong” | “Chompootepa” | “Lampang” | “AD001” | “admin001” | 542115044@gmail.com | Pass |
| 2 | Test not existed in the database | “BBC” | “#$%^&” | - | “%^&\*” | “0000” | - | Fail |

**URS02: The administrator can add the product to the system consists of the name, description, and pictures of the product.**

**Description:** The administrator go to the page add the product. The administrator has to input the name of the product, description and pictures. After fill all data, click add the product to the system.

**Integration Test Case (ITC-02):** public ViewResult Create()

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | 8140 | Red Wing 8140 | 9400.00 | MOC TOE | P001.jpg |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | **Expected**  **Result** |
| **User Object** | | | | | | **Pass/Fail** |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | Test existed in the database. | “1” | “8140” | “Red Wing 8140” | “9400.00” | “MOC TOE 1” | P001.jpg | Pass |
| 2 | Test not existed in the database | “BBC” | “#$%^&” | “1234” | “%^&\*” | “0000” | Gy.docx | Fail |

**URS03: The administrator can edit details of the product.**

**Description:** The user can manage the wrong information of the product by the user choose edit function to edit the name of product or description or pictures.

**Integration Test Case (ITC-03):** public ViewResult Edit(int productId)

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | 8140 | Red Wing 8140 | 9400.00 | MOC TOE | P001.jpg |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | **Expected**  **Result** |
| **User Object** | | | | | | **Pass/Fail** |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | Test existed in the database. | “1” | “8140” | “Red Wing 8140” | “9400.00” | “MOC TOE 1” | P001.jpg | Pass |
| 2 | Test not existed in the database | “BBC” | “#$%^&” | “”123 | “%^&\*” | “0000” | Gy.docx | Fail |

**URS04: The administrator can delete the product.**

**Description:** The user can manage the some product that the user doesn’t want to keep in the system by removing it out of the system.

**Integration Test Case (ITC-04):** public ActionResult Delete(int productId)

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | 8140 | Red Wing 8140 | 9400.00 | MOC TOE | P001.jpg |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | **Expected**  **Result** |
| **User Object** | | | | | | **Pass/Fail** |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | Test existed in the database. | “1” | “8140” | “Red Wing 8140” | “9400.00” | “MOC TOE 1” | P001.jpg | Pass |
| 2 | Test not existed in the database | “BBC” | “#$%^&” | “”123 | “%^&\*” | “0000” | Gy.docx | Fail |

**URS05: The administrator can see the shopping history of all customers.**

**Description:** The user can manage the some product that the user doesn’t want to keep in the system by removing it out of the system.

**Integration Test Case (ITC-05):** public ActionResult ViewShoppingHistory()

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Order Date | Customer username | Payment Date | Status |
| 2 | 28/02/2014 | CUS001 | 28/02/2014 | Purchased |

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| **User Object** | **Pass/Fail** |
| ID |
| 1 | Test existed in the database. | “2” | Pass |
| 2 | Test not existed in the database | “10” | Fail |

**URS06:** URS06: The administrator can log out the system.

**Description:** The administrator can log out of the system by click “log out” button at top right page.

**Integration Test Case (ITC-06):** public ActionResult LogOff()

**Test Data: \***The test data is already exists in session (logged in)

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| **User Object** | **Pass/Fail** |
| ID |
| 1 | Test existed in the database. | - | Pass |
| 2 | Test not existed in the database | - | Fail |

**URS07:**  The customer can register an account to access with the system.

**Description:** The user has to register their information in order to use the system. The user has to provide the user’s name, surname, username, password, address, email, and picture to register to the system.

**Integration Test Case (ITC-07):** public ActionResult Register(RegisterModel model)

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

|  |  |
| --- | --- |
| **Name:** | Mario |
| **Surname:** | Maorer |
| **Username:** | CUS001 |
| **Password:** | Customer001 |
| **Address:** | ChaingMai |
| **Email:** | C001@hotmail.com |
| **Picture:** | C001.jpg |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | | **Expected**  **Result** |
| **User Object** | | | | | | | **Pass/Fail** |
| **Name** | **Surname** | **Username** | **Password** | **Address** | **Email** | **Picture** |
| 1 | Test existed in the database. | “Mario ” | “Maorer” | CUS001 | “Customer001” | “ChaingMai” | “C001@hotmail.com” | C001.jpg | Pass |
| 2 | Test not existed in the database | “BBC” | “#$%^&” | “1234” | “%^&\*” | “0000” | “1236” | Gy.docx | Fail |

**URS08:**  The customer can log in to the system.

**Description:** The registered users can log in to the system by using their username and password

**Integration Test Case (ITC-08):** public boolean validateUsername(String username)

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

|  |  |
| --- | --- |
| **Name:** | Mario |
| **Surname:** | Maorer |
| **Username:** | CUS001 |
| **Password:** | Customer001 |
| **Address:** | ChaingMai |
| **Email:** | C001@hotmail.com |
| **Picture:** | C001.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected**  **Result** |
| **User Object** | | **Pass/Fail** |
| **Username** | **Password** |
| 1 | Test existed in the database. | “Mario ” | “Customer001” | Pass |
| 2 | Test not existed in the database | “BBC” | “123” | Fail |

**URS09:**  The customer can update his registration information after he was a member.

**Description:** The customer can update registration information. The customer can change the information by choose edit account and edit the data and then save it to the system

**Integration Test Case (ITC-09):** public ActionResult EditProfile(Account accountId)

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

|  |  |
| --- | --- |
| **Name:** | Mario |
| **Surname:** | Maorer |
| **Username:** | CUS001 |
| **Password:** | Customer001 |
| **Address:** | ChaingMai |
| **Email:** | C001@hotmail.com |
| **Picture:** | C001.jpg |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | | **Expected**  **Result** |
| **User Object** | | | | | | | **Pass/Fail** |
| **Name** | **Surname** | **Username** | **Password** | **Address** | **Email** | **Picture** |
| 1 | Test existed in the database. | “Mario ” | “Maorer” | CUS001 | “Customer001” | “ChaingMai” | “C001@hotmail.com” | C001.jpg | Pass |
| 2 | Test not existed in the database | “BBC” | “#$%^&” | “1234” | “%^&\*” | “0000” | “1236” | Gy.docx | Fail |

**URS11:**  The customer can search for the product name.

**Description:** In the website the product has many products. The customer can search the product that the user wants to see by use searching box to search the product.

**Integration Test Case (ITC-11):** public ActionResult SearchByName(String productName)

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | 8140 | Red Wing 8140 | 9400.00 | MOC TOE | P01.jpg |

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| **User Object** | **Pass/Fail** |
| **Name** |
| 1 | Test existed in the database. | “8140” | Pass |
| 2 | Test not existed in the database | “ABCE” | Fail |

**URS12:**  The customer can add the product to his shopping cart.

**Description:** The customer can select the product that his want and add the product to his shopping cart.

**Integration Test Case (ITC-12):** public RedirectToRouteResult AddToCart(Cart cart, int productId, string returnUrl)

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | 8140 | Red Wing 8140 | 9400.00 | MOC TOE | P001.jpg |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | **Expected**  **Result** |
| **User Object** | | | | | | **Pass/Fail** |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | Test existed in the database. | “1” | “8140” | “Red Wing 8140” | “9400.00” | “MOC TOE 1” | P001.jpg | Pass |
| 2 | Test not existed in the database | “BBC” | “#$%^&” | “”123 | “%^&\*” | “0000” | Gy.docx | Fail |

**URS13:**  The customer can remove the added product on the shopping cart.

**Description:** If the customer does not want the product. The customer can remove the product which is added into the shopping cart list.

**Integration Test Case (ITC-13):** public RedirectToRouteResult RemoveFromCart(Cart cart, int productId, string returnUrl)

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | 8140 | Red Wing 8140 | 9400.00 | MOC TOE | P001.jpg |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | **Expected**  **Result** |
| **User Object** | | | | | | **Pass/Fail** |
| PriductID | Name | Description | Price | Category | Picture |
| 1 | Test existed in the database. | “1” | “8140” | “Red Wing 8140” | “9400.00” | “MOC TOE 1” | P001.jpg | Pass |
| 2 | Test not existed in the database | “BBC” | “#$%^&” | “”123 | “%^&\*” | “0000” | Gy.docx | Fail |

**URS14:**  The customer can select checkout to see the buying transaction summary.

**Description:** When the customer add the product that his want to customer’s cart finished. The customer can checkout to see the buying transaction summary.

**Integration Test Case (ITC-14):** public ViewResult Checkout(Cart cart, ShippingDetails shippingDetails)

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

|  |  |
| --- | --- |
| **Payment method Name:** | Visa |

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| **User Object** | **Pass/Fail** |
| **Payment method Name:** |
| 1 | Test existed in the database. | “Visa” | Pass |
| 2 | Test not existed in the database | “N” | Fail |

**URS15:**  The customer can see the shopping history which he had done the shopping process.

**Description:** The customer can see the shopping history, which the customer bought.

**Integration Test Case (ITC-15):** public ActionResult ViewShoppingHistory()

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

|  |  |
| --- | --- |
| **Order Id :** | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| **User Object** | **Pass/Fail** |
| **OrderID** |
| 1 | Test existed in the database. | “1” | Pass |
| 2 | Test not existed in the database | “N” | Fail |

**URS17:**  The customer can log out the system.

**Description:** The customer can log out of the system by click “log out” button at top right page.

**Integration Test Case (ITC-17):** public ActionResult LogOff()

**Test Data: \*** The test data is already exists in session (logged in)

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected**  **Result** |
| **User Object** | **Pass/Fail** |
| ID |
| 1 | Test existed in the database. | - | Pass |
| 2 | Test not existed in the database | - | Fail |

|  |
| --- |
|  |
| [Integration test case (ITC)]  [Version 1.0] |
| |  |  |  | | --- | --- | --- | | [Peerapong Chompootepa] | [01/03/14] | [SE323] | |

Revision history

Change Record

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Name** | **Revision Description** |
| V1.0 | March 1, 2014 | Peerapong Chompootepa | Create Integration test case documentation |
| V1.1 | March 2, 2014 | Worrasete Tansurat | Change some the method |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

References

User requirement specification

System requirement specification

Introduction

is the phase in software testing in which individual software modules are combined and tested as a group. It occurs after unit testing and before validation testing. Integration testing takes as its input modules that have been unit tested, groups them in larger aggregates, applies tests defined in an integration test plan to those aggregates, and delivers as its output the integrated system ready for system testing.

Responsibility

|  |  |
| --- | --- |
| **Task** | **Team member name** |
| Write ITC test plan | Peerapong Chompootepa |
| Verify ITC test plan | Worrasere Tuasurat |
| Verify ITC test plan | Saran Boontengchan |

Test Item

Dirt road v1.0

Features to be tested

All of User requirement specification