**Unit Test Plan**

1. **Scope of Testing**

|  |  |
| --- | --- |
| **Test Case ID** | **Test Feature** |
| UAT-TC 01 | The user can register themselves as customers. |
| UAT-TC 02 | The customer can login to the system. |
| UAT-TC 03 | The administrator can login to the system. |
| UAT-TC 04 | The administrator can add details of the products. |
| UAT-TC 05 | The customer can see their picture profile on the top-right when login. |
| UAT-TC 06 | The customer can browse product catalog. |
| UAT-TC 07 | The customer can search by product name. |
| UAT-TC 08 | The customer can add product to shopping cart. |
| UAT-TC 09 | The customer can put quantity of product to shopping cart more than one product. |
| UAT-TC 10 | The customer can see their summary of customer shopping cart that include product price and total price. |
| UAT-TC 11 | The customer can choose option of payment (money transfer, credit card and PayPal). |
| UAT-TC 12 | The customer can see their history buying transaction. |
| UAT-TC 13 | The administrator can see all of the history buying transaction. |
| UAT-TC 14 | The customer can save the shopping cart if the customer does not want to finish shopping. |
| UAT-TC 15 | The customer can logout to the system. |
| UAT-TC 16 | The administrator can logout to the system. |

1. **Unit Test List**

|  |  |
| --- | --- |
| **ID** | **Name** |
| TC-U01 | **Method** |
| TC-U02 |  |
| TC-U03 |  |
| TC-U04 |  |
| TC-U05 |  |
| TC-U06 |  |
| TC-U07 |  |
| TC-U08 |  |
| TC-U09 |  |
| TC-U10 |  |
| TC-U11 |  |
| TC-U12 |  |
| TC-U13 |  |
| TC-U14 |  |
| TC-U15 |  |
| TC-U16 |  |

TC-U01: **Method of register**

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| **Test Case ID** | TC-U01 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

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| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | MemberUser | Username | Great23 |
| Password | 12345678GG |
| Name | Petchmeesri |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U01-1 | Normal | Username | Great23 | System display successful registration page. |
| Password | 12345678GG |
| Name | Petchmeesri |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |
| TC-U01-2 | Incorrect username format | Username | $t@n34 | System display error message “The username must be only character ” |
| Password | 12345678GG |
| Name | Petchmeesri |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U01-3 | Username already exist in database | Username | Great1 | System display error message “The username is already used”. |
| Password | 12345678GG |
| Name | Petchmeesri |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |
| TC-U01-4 | Incorrect password format | Username | Great23 | System display error message “The password must be only character ” |
| Password | 551234#12d |
| Name | Petchmeesri |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |
| TC-U01-4 | Incorrect name format | Username | Great23 | System display error message “The name must be only character ”. |
| Password | 12345678GG |
| Name | wrt$5% |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |
| TC-U01-5 | Incorrect name length | Username | Great23 | System display error message “The name must be less than 25 characters ” |
| Password | 12345678GG |
| Name | Paradon ParadonParadon Paradon |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U01-6 | Incorrect address length | Username | Great23 | System display error message “The address must be only character”. |
| Password | 12345678GG |
| Name | Paradon |
| Address | He@ven $treet |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |
| TC-U01-7 | Incorrect telephone number format | Username | Great23 | System display error message “The phone number must be only number ” |
| Password | 12345678GG |
| Name | Paradon |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 053-534123 |
| Email | Great@cmu.com |
| Picture | great180\*180.jpg |
| TC-U01-8 | Incorrect email format | Username | Great23 | System display error message “The email is not correct, make sure it’s in \*\*\*\*@\*\*\*.\*\*\* format ” |
| Password | 12345678GG |
| Name | Paradon |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Greeta@hotmail |
| Picture | great180\*180.jpg |
| TC-U01-9 | Incorrect sized picture | Username | Great23 | System display error message “The picture must be more than 180\*180px” |
| Password | 12345678GG |
| Name | Paradon |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great50\*50.jpg |
| TC-U01-10 | Incorrect picture extension | Username | Great23 | System display error message “The picture must be in jpeg extension ” |
| Password | 12345678GG |
| Name | Paradon |
| Address | 123 T.SanKlang A.SanKampaeng,  Chiang Mai 50130 |
| Telephone | 0881234567 |
| Email | Great@cmu.com |
| Picture | great180\*180.png |

TC-U02: **Method of login**

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| **Test Case ID** | TC-U02 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | MemberUser | Username | Great23 |
| Password | 12345678GG |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U02-1 | Normal | Username | Great23 | System display interface menu with Great23 logged in page. |
| Password | 12345678GG |
| TC-U02-2 | Username did not match with data in database | Username | Great5 | System display error message “Incorrect username” |
| Password | 12345678GG |
| TC-U02-1 | Password did not match with the username in database | Username | Great23 | System display error message “Incorrect username or password” |
| Password | 442135FF |

TC-U03: **Method of admin login**

|  |  |
| --- | --- |
| **Test Case ID** | TC-U03 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | AdminUser | Username | AdminGreat |
| Password | Private23 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U02-1 | Normal | Username | AdminGreat | System display interface menu with AdminGreat logged in page. |
| Password | Private23 |
| TC-U02-2 | Username did not match with data in database | Username | AdGreat | System display error message “Incorrect username” |
| Password | Private23 |
| TC-U02-1 | Password did not match with data in database | Username | AdminGreat | System display error message “Incorrect username or password” |
| Password | Private33 |

TC-U04: **Method of admin add details of product**

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| --- | --- |
| **Test Case ID** | TC-U04 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | Product | Product Name | Genie Classic Doll |
| Product Price | 5.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | genie.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U04-1 | Normal | ProductName | Genie Classic Doll | System display new product in the product list. |
| ProductPrice | 5.99 |
| ProductDescription | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| ProductPicture | genie.jpg |
| TC-U04-2 | Incorrect product name format | ProductName | Genie Cla$$ic Doll | System display error message “The product name must be only characters” |
| ProductPrice | 5.99 |
| ProductDescription | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| ProductPicture | genie.jpg |
| TC-U04-3 | Incorrect product name length | ProductName | GenieGenieGenieGenie  GenieGenieGenieGenie  GenieGenieGenie | System display error message “The product name length should be less than 50 characters” |
| ProductPrice | 5.99 |
| ProductDescription | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| ProductPicture | genie.jpg |
| TC-U04-4 | Incorrect product price format | ProductName | Genie Classic Doll | System display error message “The price of product must be only double” |
| ProductPrice | 5.99$ |
| ProductDescription | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| ProductPicture | genie.jpg |
| TC-U04-5 | Incorrect product description format | ProductName | Genie Classic Doll | System display error message “The description must be only characters” |
| ProductPrice | 5.99 |
| ProductDescription | Finely $crulptured do// |
| ProductPicture | genie.jpg |
| TC-U04-6 | Incorrect product description length | ProductName | Genie Classic Doll | System display error message “The product description length should be less than 150 characters” |
| ProductPrice | 5.99 |
| ProductDescription | HaveMoreThan150  CharactersHaveMore  Than150Characters  HaveMoreThan150  CharactersHaveMore  Than150Characters  HaveMoreThan150  CharactersHaveMore  Than150Characters |
| ProductPicture | genie.jpg |
| TC-U04-7 | Incorrect price extension | ProductName | Genie Classic Doll | System display error message “The picture must be in jpeg extension ” |
| ProductPrice | 5.99 |
| ProductDescription | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| ProductPicture | genie.gif |

TC-U06: **Method of customer can browse product catalog**

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| **Test Case ID** | TC-U06 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

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| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | ProductCatalog | Product Type | Doll |
| Action Figures |
| Die Cast Cars |
| Die Cast Planes |
| Plush |
| Toy Story Toys |
| Item | Genie Classic Doll |
| Iron Patriot Figure |
| Mater Die Cast Car |
| Zed Die Cast Plane |
| Stitch Plush |
| Zurg Popper Toy |
| 2 | Product | Product Name | Genie Classic Doll |
| Product Price | 5.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | genie.jpg |
| 3 | Product | Product Name | Aladdin Classic Doll |
| Product Price | 6.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | aladdin.jpg |
| 4 | Product | Product Name | Iron Patriot Figure |
| Product Price | 8.99 |
| Product Description | Iron Man 3 Collection Figure |
| Product Picture | ironpatriot.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U06-1 | Browse product catalog | ProductType | Doll | **Product Name:** Genie Classic Doll  **Product Price:** 5.99  **Product Description:** Finely sculptured doll, Part of the Disney Princess Classic Doll Collection  **Product Picture:** genie.jpeg  **Product Name:** Aladdin Classic Doll  **Product Price:** 6.99  **Product Description:** Finely sculptured doll, Part of the Disney Princess Classic Doll Collection  **Product Picture:** aladdin.jpg |
| Item | 1. Genie Classic Doll  2. Aladdin Classic Doll |
| TC-U06-2 | Browse product catalog | ProductType | Action Figure | **Product Name:** Iron Patriot Figure  **Product Price:** 8.99  **Product Description:** Iron Man 3 Collection Figure  **Product Picture:** ironpatriot.jpg |
| Item | 1.Iron Patriot Figure |

TC-U07: **Method of search by product name**

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| --- | --- |
| **Test Case ID** | TC-U07 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | Product | Product Name | Genie Classic Doll |
| Product Price | 5.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | genie.jpg |
| 2 | Product | Product Name | Aladdin Classic Doll |
| Product Price | 6.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | aladdin.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U07-1 | Search by keyword | ProductName | Genie | **Product Name:** Genie Classic Doll  **Product Price:** 5.99  **Product Description:** Finely sculptured doll, Part of the Disney Princess Classic Doll Collection  **Product Picture:** genie.jpg |
| TC-U07-2 | Search by category | ProductName | Doll | **Product Name:** Genie Classic Doll  **Product Price:** 5.99  **Product Description:** Finely sculptured doll, Part of the Disney Princess Classic Doll Collection  **Product Picture:** genie.jpg  **Product Name:** Aladdin Classic Doll  **Product Price:** 6.99  **Product Description:** Finely sculptured doll, Part of the Disney Princess Classic Doll Collection  **Product Picture:** Aladdin.jpg |
| TC-U07-3 | Search by product name | ProductName | Aladdin Classic Doll | **Product Name:** Aladdin Classic Doll  **Product Price:** 6.99  **Product Description:** Finely sculptured doll, Part of the Disney Princess Classic Doll Collection  **Product Picture:** Aladdin.jpg |
| TC-U07-4 | Product name do not match in database | ProductName | Sonic Screwdriver | The system display the error message “Sorry, the product not found” |

TC-U08: **Method of add product to shopping cart**

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| --- | --- |
| **Test Case ID** | TC-U08 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | Product | Product Name | Genie Classic Doll |
| Product Price | 5.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | genie.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U08-1 | In stock | Product Name | Genie Classic Doll | The system shall display the operation completion message “Your  item has been added to the shopping cart.” |
| Product Price | 5.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | genie.jpg |
| TC-U08-2 | Out of stock | Product Name | Genie Classic Doll | The system shall display the error message “Cannot complete the  operation, Item out of stock.” |
| Product Price | 5.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | genie.jpg |

TC-U09: **Method of put quantity of product**

|  |  |
| --- | --- |
| **Test Case ID** | TC-U09 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | Product | Product Quantity | 5 |
| 20k |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U09-1 | Put quantity by number | Quantity | 5 | System display shopping cart with 5 same items. |
| TC-U09-2 | Put quantity consist of number and character | Quantity | 20k | The system shall display “Quantity must be number only” |

TC-U10: **Method of summary of customer shopping cart (product price n’ total price)**

|  |  |
| --- | --- |
| **Test Case ID** | TC-U10 |
| **Test Case Name** | Method |
| **Test Description** | Test method “” can return the expected data |
| **Test Related Class** |  |
| **Test Date** | February 01st,2014 |
| **Test Responsibility** | Tester |
| **Test by** | Panda |
| **Test Reviewer** |  |
| **Test Prerequisite** | 1. The system should connect to the database. 2. Prepare the data (See below) into database. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prepared Data Set** | **Table** | **Field** | **Prepare Data** |
| 1 | Product | Product Name | Genie Classic Doll |
| Product Price | 5.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | genie.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | | | | **Expected Result** |
| **ID** | **Case Name** | **Parameter** | **Value** | **Output** |
| TC-U10-1 | Summary of customer shopping cart | Product Name | Genie Classic Doll | **Product Name:** Genie Classic Doll  **Product Price:** 5.99  **Quantity:** 1  **Total Price:** 5.99 |
| Product Price | 5.99 |
| Product Description | Finely sculptured doll, Part of the Disney Princess Classic Doll Collection |
| Product Picture | genie.jpg |