Test Plan

**Document History**

|  |  |  |  |  |  |  |
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**\*VC = Visava Chumnuam**

**\*SK = Saksorn Khongsirirat**

**\*KS = Kittitouch Suteeca**

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# **Introduction**

**1.1 Purpose**

The purpose of the test plan is planning how to test the system after finishing the software. Testing the software are making sure the software following the requirements. This document contains the plan to test the software after finish progress #1.

**1.2 Scope**

The application will be develop by Android studio.

* Feature in progress #1.
* Focus on only one supermarket.
* Provide management system products in database.
* Provide android application for manage wish list.
* Convenient features for android application site.
  1. **Acronyms**

**Acronyms**

SK Saksorn Khongsirirat

TCA Test Case Android

TCW Test Case Web

UNA Unit Test Android

UTW Unit Test Web

VC Visava Chumnum

**1.4 Environment of equipment**

**MSI GS60 Ghost Pro4K**

CPU: Intel Core i7-4720HQ (2.60 GHz, 6 MB L3 Cache, up to 3.60 GHz)

Screen Size: 15.6 inch (3840x2160) UHD 4K

Memory: 16 GB DDR3L

OS: Windows 8.1

Browser: Chrome 44.0.2403.125 m

Runtime Environment: JRE 1.8

Java Server: Apache Tomcat 8.0.18

Database: MySQL

**Sony Xperia Z3 Compact**

CPU: Qualcomm Snapdragon 801 8974-AC Quad core 2500 MHz

Screen Size: 4.6 inches (1280x720) HD **Touchscreen**

Memory: 2 GB

OS: Android Lollipop 5.1.1

1. **Test Plan** 
   1. **Unit Test**

**Class name: UserServiceImpl**

**UTW-01:** findByUserName(String username): User

**Description:** This test case use for verifies username in the database via Hibernate query. The parameters for this method are the username.

**Prerequisite or input required**

The available data is {1, “admin”, “admin”}.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **username** |
| **1** | Test by input existed username. | admin | {1, “admin”, “admin”} |
| **2** | Test by input not existed username. | customer | { } |

**Class name: ProductServiceImpl**

**UTW-02:** deleteProduct(Long id): Product

**Description:** This test case uses for getting the right product to delete in the database via Hibernate query.

**Prerequisite or input required**

The available data is {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “mineral water”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **id** |
| **1** | Test by input existed product’s id. | 1 | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |
| **2** | Test by input not existed product’s id. | 3 | { } |

**Class name: ProductDAOImpl**

**UTW-03:** getProducts(): List<Product>

**Description:** This test case uses for getting the List of all product from the database via Hibernate query.

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “mineral water”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |
| --- | --- | --- |
| **ID** | **Description** | **Expected Result**  **(List of Product object)** |
|
| **1** | Get a list of product object. | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null}  {2, “8851717040245”, “Dutch Mill”, “Blueberry flavour”, “mineral water”, 0.18, 10, null, null} |

**UTW-04:** getProductsByCode(String code): List<Product>

**Description:** This test case uses for getting the List of products by code from the database via Hibernate query.

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “mineral water”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **code** |
| **1** | Test by input some part of product’s code. | 8850 | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |

**UTW-05:** getProduct(Long id): Product

**Description:** This test case uses for getting product’s information from the database via Hibernate query.

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “mineral water”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **id** |
| **1** | Test by input existed product’s id. | 1 | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |
| **2** | Test by input not existed product’s id. | 3 | { } |

**UTW-06:** addProduct(Product product): Product

**Description:** This test case uses for adding a new product to the database via Hibernate query. The parameters for this method are Product object, which consists of {Long id, String code, String name, String description, String categorize, Double netweight, Double price, Integer amount, Double promoprice }

**Prerequisite or input required**

No data available.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **Product object** |
| **1** | Test by input product object with all parameters defined. | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |
| **2** | Test by input product object with some parameters defined. | {1, null, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} | { } |

**UTW-07:** deleteProduct(Product product): Product

**Description:** This test case uses for deleting the product from the database via Hibernate query. The parameters for this method are Product object, which consists of {Long id, String code, String name, String description, String categorize, Double netweight, Double price, Integer amount, Double promoprice }

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null}

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **Product object** |
| **1** | Test by input existed product object with all parameters defined. | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} | { } |
| **2** | Test by input existed product object with some parameters defined. | {1, null, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |
| **3** | Test by input not exited product object. | {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “mineral water”, 0.18, 10, null, null}. | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |

**UTW-08:** updateProduct(Product product): Product

**Description:** This test cases use for updating the product’s information in the database via Hibernate query. The parameters for this method are Product object, which consists of {Long id, String code, String name, String description, String categorize, Double netweight, Double price, Integer amount, Double promoprice }

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null}

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **Product object** |
| **1** | Test by input existed product object with all parameters defined. | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null } |
| **2** | Test by input existed product object with some parameters defined. | {1, null, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |
| **3** | Test by input not exited product object. | {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “mineral water”, 0.18, 10, null, null}. | { } |

**UTW-09:** getProductsByCode(String code): List<Product>

**Description:** This test case uses for getting the specific product by code from the database via Hibernate query.

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “Drinking Yogurt”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **code** |
| **1** | Test by input some part of product’s code. | 8850 | { } |
| **2** | Test by input product’s code. | 885077955955 | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |

**Class name: ProductController**

**UTW-10:** getProductByCode(String code): Product

**Description:** This test case uses for getting the specific product by code from the database via Hibernate query into JSON.

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “Drinking Yogurt”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **code** |
| **1** | Test by input some part of product’s code. | 8850 | { } |
| **2** | Test by input product’s code. | 885077955955 | {"id": 1, "code": "885077955955","name": "Aura","description":"mineral water 100%", "categorize": "mineral water", "netweight": 1.5, "price": 19.0, "amount": null, "promoprice": null} |

**UTW-11:** getProducts(): List<Product>

**Description:** This test case uses for getting the List of all product from the database via Hibernate query into JSON.

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “Drinking Yogurt”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |
| --- | --- | --- |
| **ID** | **Description** | **Expected Result**  **(List of Product object)** |
|
| **1** | Get a list of product object. | [{"id": 1, "code": "885077955955", "name": "Aura", "description": "mineral water 100%", "categorize": "mineral water", "netweight": 1.5,"price": 19.0, "amount": null, "promoprice": null}, {"id": 2, "code": "8851717040245", "name": "Dutch Mill", "description": "Blueberry Flavour", "categorize": "Drinking Yogurt", "netweight": 0.18, "price": 10.0,"amount": null, "promoprice": null}] |

**UTW-12:** getCategorizes(): List<Product>

**Description:** This test case uses for getting the List of all categorize from the database via Hibernate query into JSON.

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “Drinking”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “Drinking”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |
| --- | --- | --- |
| **ID** | **Description** | **Expected Result**  **(List of Product object)** |
|
| **1** | Get a list of product object without duplicate categorize. | [{"id": 1, "code": "885077955955", "name": "Aura", "description": "mineral water 100%", "categorize": "mineral water", "netweight": 1.5,"price": 19.0, "amount": null, "promoprice": null}] |

**UTW-13:** getProductByCategorize(String code): List<Product>

**Description:** This test case uses for getting the list of product by categorize from the database via Hibernate query into JSON.

**Prerequisite or input required**

The available data is

{1, “885077955955”, “Aura”, “mineral water 100%”, “Drinking”, 1.5, 19, null, null} {2, “8851717040245”, “Dutch Mill”, “Blueberry flavor”, “Drinking”, 0.18, 10, null, null}.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **code** |
| **1** | Test by input categorize that doesn’t exists in Database. | Drink | { } |
| **2** | Test by input categorize that exists in Database. | Drinking | [{"id": 1, "code": "885077955955", "name": "Aura", "description": "mineral water 100%", "categorize": "Drinking", "netweight": 1.5,"price": 19.0, "amount": null, "promoprice": null}, {"id": 2, "code": "8851717040245", "name": "Dutch Mill", "description": "Blueberry Flavour", "categorize": "Drinking", "netweight": 0.18, "price": 10.0,"amount": null, "promoprice": null}] |

**2.2 System Test**

|  |  |
| --- | --- |
| Test Case ID: TCW-001 | Test Designed By: Visava Chumnuam |
| Test Priority: High | **Test Designed Date:** 10/07/2015 |
| Module Name: Login | **Test Executed By:** Visava Chumnuam |
| Test Title: Login succeed | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: Enter website |
| Dependencies: ID and password of supermarket |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Enter ID and Password.  Select “login” button. | ID = customer  Password = Admin | Display the main page. |

|  |
| --- |
| Post-Condition: The tester can access to the system. |

|  |  |
| --- | --- |
| Test Case ID: TCW-002 | Test Designed By: Visava Chumnuam |
| Test Priority: High | **Test Designed Date:** 10/07/2015 |
| Module Name: Login | **Test Executed By:** Visava Chumnuam |
| Test Title: Wrong ID | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: Enter website |
| Dependencies: ID and password of supermarket |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Enter ID and Password.  Select “login” button. | ID = customer  Password = Admin | Show message “ID and password are incorrect” |

|  |
| --- |
| Post-Condition: The tester cannot access to the system. |

|  |  |
| --- | --- |
| Test Case ID: TCW-003 | Test Designed By: Visava Chumnuam |
| Test Priority: High | **Test Designed Date:** 10/07/2015 |
| Module Name: Login | **Test Executed By:** Visava Chumnuam |
| Test Title: Wrong password | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: Enter website |
| Dependencies: ID and password of supermarket |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Enter ID and Password.  Select “login” button. | ID = Admin  Password = 1234 | Show message “ID and password are incorrect” |

|  |
| --- |
| Post-Condition: The tester cannot access to the system. |

|  |  |
| --- | --- |
| Test Case ID: TCW-004 | Test Designed By: Visava Chumnuam |
| Test Priority: High | **Test Designed Date:** 10/07/2015 |
| Module Name: Login | **Test Executed By:** Visava Chumnuam |
| Test Title: Both wrong | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: Enter website |
| Dependencies: ID and password of supermarket |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Enter ID and Password.  Select “login” button. | ID = customer  Password = 1234 | Show message “ID and password are incorrect” |

|  |
| --- |
| Post-Condition: The tester cannot access to the system. |

|  |  |
| --- | --- |
| Test Case ID: TCW-005 | Test Designed By: Visava Chumnuam |
| Test Priority: High | **Test Designed Date:** 10/07/2015 |
| Module Name: Add new product | **Test Executed By:** Visava Chumnuam |
| Test Title: Add new | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: Login |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3  4 | Select “Add Product” at the left menu bar.  Enter information.  Select “+” button of the product.  See information in database the list. | ID = 885077955955  Name = Aura  Description = mineral water 100%  Categorize = mineral water  Net weight = 1.5 litre  Price = 19 thb  X,Y = 1,2  Picture: Aura.png | -Display all product page  -Show message “Add Succeed”  -Information in database same as Test Data |

|  |
| --- |
| Post-Condition: The new product appears in the product list. |

|  |  |
| --- | --- |
| Test Case ID: TCW-006 | Test Designed By: Visava Chumnuam |
| Test Priority: High | **Test Designed Date:** 10/07/2015 |
| Module Name: Add new product | **Test Executed By:** Visava Chumnuam |
| Test Title: Add old | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: Login |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3  4 | Select “Add Product” at the left menu bar.  Enter information.  Select “+” button of the product.  See information in database. | ID = 885077955955  Name = Aura  Description = mineral water 100%  Categorize = mineral water  Net weight = 1.5 litre  Price = 19 thb | -Display all product page  -Information in database not duplicate |

|  |
| --- |
| Post-Condition: The product not appear in the list. |

|  |  |
| --- | --- |
| Test Case ID: TCW-007 | Test Designed By: Visava Chumnuam |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: View products | **Test Executed By:** Visava Chumnuam |
| Test Title: See all product | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: Login |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Select “ALL Product”. | - | The web application display all of the products in database correctly |

|  |
| --- |
| Post-Condition: The tester can see the product on the main page. |

|  |  |
| --- | --- |
| Test Case ID: TCW-008 | Test Designed By: Visava Chumnuam |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Search product by keyword | **Test Executed By:** Visava Chumnuam |
| Test Title: See specific product | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: View products |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Enter product keyword in the search box. | Drinking | Display all product page with same or similar product keyword “Drinking”. |

|  |
| --- |
| Post-Condition: The search product appears in the search list |

|  |  |
| --- | --- |
| Test Case ID: TCW-009 | Test Designed By: Visava Chumnuam |
| Test Priority: High | **Test Designed Date:** 10/07/2015 |
| Module Name: Edit product’s information | **Test Executed By:** Visava Chumnuam |
| Test Title: Add promotion | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: View products |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click on edit button of the product.  Enter promotion price in the text box.  See the list of product. | Amount= 1  Promotion price= 0 | -Display all product page  -Show message “Edit Succeed”  - Information in database same as Test Data |

|  |
| --- |
| Post-Condition: The tester can see the new promotion of the product. |

|  |  |
| --- | --- |
| Test Case ID: TCW-010 | Test Designed By: Visava Chumnuam |
| Test Priority: High | **Test Designed Date:** 10/07/2015 |
| Module Name: Edit product’s information | **Test Executed By:** Visava Chumnuam |
| Test Title: Edit old information | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: View products |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Select edit button of the product.  Edit information.  See the list of product. | ID = 885077955955  Name = Aura  Description = mineral water 100%  Categorize = mineral water  Net weight = 2.5 litre  Price = 19 thb  X,Y = 2,2  Picture: Aura2.png | -Display all product page  -Show message “Edit Succeed”  - Information in database same as Test Data |

|  |
| --- |
| Post-Condition: The tester can see a new price of the product. |

|  |  |
| --- | --- |
| Test Case ID: TCW-011 | Test Designed By: Visava Chumnuam |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Delete product | **Test Executed By:** Visava Chumnuam |
| Test Title: Cancel delete | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: View products |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Select “Delete” button of the product.  Select “Cancel” button on the confirmation dialog.  See the list of product. | Answer= cancel | Nothing change in database |

|  |
| --- |
| Post-Condition: The tester still see the product in the list. |

|  |  |
| --- | --- |
| Test Case ID: TCW-012 | Test Designed By: Visava Chumnuam |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Delete product | **Test Executed By:** Visava Chumnuam |
| Test Title: OK to delete | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: View products |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Select “Delete” button of the product.  Select “OK” button on the confirmation dialog.  See information in database. | Answer= ok | -Product disappear from list and database  -Show message “Delete Succeed” |

|  |
| --- |
| Post-Condition: The tester can see the product disappear from the list. |

|  |  |
| --- | --- |
| Test Case ID: TCW-013 | Test Designed By: Visava Chumnuam |
| Test Priority: Low | **Test Designed Date:** 10/07/2015 |
| Module Name: Log out | **Test Executed By:** Visava Chumnuam |
| Test Title: Logout | **Test Executed Date:** 24/07/2015 |

|  |
| --- |
| Pre-Condition: Login |
| Dependencies: None |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Select “logout” button on the left menu bar. | - | -Display login page |

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| --- |
| Post-Condition: The tester can see the login page. |

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| --- | --- |
| Test Case ID: TCW-014 | Test Designed By: Visava Chumnuam |
| Test Priority: Medium | **Test Designed Date:** 02/12/2015 |
| Module Name: Edit product | **Test Executed By:** Visava Chumnuam |
| Test Title: Edit product picture | **Test Executed Date:** 06/12/2015 |

|  |
| --- |
| Pre-Condition: Login and click edit on some product. |
| Dependencies: None |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click on “Browse” button.  Select test picture.  Click on confirm button. | Picture:  Test-edit.jpg | -The picture is change as same as the picture that input. |

|  |
| --- |
| Post-Condition: The tester can see the product picture change. |
| |  |  | | --- | --- | | Test Case ID: TCW-015 | Test Designed By: Visava Chumnuam | | Test Priority: Medium | **Test Designed Date:** 02/12/2015 | | Module Name: Edit product | **Test Executed By:** Visava Chumnuam | | Test Title: Delete product picture (No) | **Test Executed Date:** 06/12/2015 |  |  | | --- | | Pre-Condition: Login and click edit on some product. | | Dependencies: None |  |  |  |  |  | | --- | --- | --- | --- | | Steps | Test Steps | Test Data | Expected Result | | 1  2 | Click on “x” button on the top of product picture.  Click on “No” button on the confirmation.  . | Confirmation:  No | -The picture still display with the product detail. |  |  | | --- | | Post-Condition: The tester can see the picture product still display. | |
| |  |  | | --- | --- | | Test Case ID: TCW-016 | Test Designed By: Visava Chumnuam | | Test Priority: Medium | **Test Designed Date:** 02/12/2015 | | Module Name: Edit product | **Test Executed By:** Visava Chumnuam | | Test Title: Delete product picture (Yes) | **Test Executed Date:** 06/12/2015 |  |  | | --- | | Pre-Condition: Login and click edit on some product. | | Dependencies: None |  |  |  |  |  | | --- | --- | --- | --- | | Steps | Test Steps | Test Data | Expected Result | | 1  2 | Click on “x” button on the top of product picture.  Click on “Yes” button on the confirmation.  . | Confirmation:  Yes | -The picture disappear from the product detail. |  |  | | --- | | Post-Condition: The tester can see the picture product is disappear. | |

|  |  |
| --- | --- |
| Test Case ID: TCA-001 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Shopping cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: View The Shopping Cart | **Test Executed Date:** 25/07/2015 |

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| --- |
| Pre-Condition: Launch the application. |
| Dependencies: |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on "Shopping Cart" from the menu bar. | - | The tester can see the shopping cart page |

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| --- |
| Post-Condition: The tester can see the product list in the shopping cart page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-002 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Shopping cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add Product In The Shopping Cart (Input) | **Test Executed Date:** 25/07/2015 |

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| --- |
| Pre-Condition: Access to the shopping cart page |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3  4  5 | Click on "+" button at the lower page.  Select "Input ID".  Click on text box.  Input ID of product.  Click on submit button. | **Product ID:**  8 851959 132074  (Coke Zero) | The tester can see the amount of the product named "Coke Zero" is 1 each and the total price is 15. |

|  |
| --- |
| Post-Condition: The tester can see the new product in the list. |

|  |  |
| --- | --- |
| Test Case ID: TCA-003 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Shopping cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add Product In The Shopping Cart (Input Duplicate product) | **Test Executed Date:** 25/07/2015 |

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| Pre-Condition: Do the Test Case TCA-002 |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3  4  5 | Click on "+" button at the lower page.  Select "Input ID"  Click on text box.  Input ID of product.  Click on submit button. | **Product ID:**  8 851959 132074  (Coke Zero) | The tester can see the amount of the product named "Coke Zero" is 2 each and the total price is 30. |

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| --- |
| Post-Condition: The tester can see the amount and the total price of all product is change. |

|  |  |
| --- | --- |
| Test Case ID: TCA-004 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Shopping cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add Product In The Shopping Cart (Scan Barcode) | **Test Executed Date:** 25/07/2015 |

|  |
| --- |
| Pre-Condition: Access to the shopping cart page |
| Dependencies: - |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click on "+" button at the lower page.  Select "Scan barcode".  Take a picture on product's barcode. | **Product ID:**  8 85077 955955  (Aura Drink water) | The tester can see the product named "Aura" is 1 each and the total price is 19. |

|  |
| --- |
| Post-Condition: The tester can see the new product and new total price in the shopping cart page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-005 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Shopping cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add Product In The Shopping Cart (Scan Duplicate Barcode) | **Test Executed Date:** 25/07/2015 |

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| --- |
| Pre-Condition: Do the Test Case TCA-004 |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click on "+" button at the lower page.  Select "Scan barcode".  Take a picture on product's barcode. | **Product ID:**  8 85077 955955  (Aura Drink water) | The tester can see the amount of the product named "Aura" is 2 each and the total price is 38. |

|  |
| --- |
| Post-Condition: The tester can see the new product and new total price in the page |

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| --- | --- |
| Test Case ID: TCA-006 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Shopping cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Edit Amount Of Product In The Shopping Cart | **Test Executed Date:** 25/07/2015 |

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| --- |
| Pre-Condition: Add some product |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click on text box that show amount of product name "Coke Zero."  Input new amount of product.  Click on submit button. | **Amount of product:** 5 | The tester can see the amount of product named "Coke Zero" is 5 each and the total price is 75. |

|  |
| --- |
| Post-Condition: The tester can see the new amount and new total price of all product in the shopping cart page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-007 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Shopping cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Delete Product From Shopping Cart (No) | **Test Executed Date:** 25/07/2015 |

|  |
| --- |
| Pre-Condition: There is the Coke Zero in the list. |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Click on delete button of product name "Coke Zero."  Click on "No" in confirmation form. | **Confirmation:** No | The tester still sees the product named "Coke Zero" on the shopping cart and the total price is not changed. |

|  |
| --- |
| Post-Condition: The tester can see the product in the list of the shopping cart page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-008 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Shopping cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Delete Product From Shopping Cart (Yes) | **Test Executed Date:** 25/07/2015 |

|  |
| --- |
| Pre-Condition: There is the Coke Zero in the list. |
| Dependencies: - |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Click on delete button of product name "Coke Zero".  Click on "Yes" in confirmation form. | **Confirmation:** Yes | The tester cannot see the product named "Coke Zero" on the shopping cart and the total price is changed. |

|  |
| --- |
| Post-Condition: The tester can see the product disappear and see the new total price of all product in the shopping cart page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-009 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/10/2015 |
| Module Name: Shopping Cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add product by Scanning NFC | **Test Executed Date:** 14/10/2015 |

|  |
| --- |
| Pre-Condition: Access to the Shopping cart page and Delete all product from the list |
| Dependencies:- |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click on "+" button at the lower page.  Select "NFC".  Scan the NFC tag. | **NFC tag:**  Product ID  8 851959 132074  (Coke Zero) | The tester can see the new product name “Coke Zero” amount is 1 each and the total price is 15. |

|  |
| --- |
| Post-Condition: The tester can see the new product and new total price in the shopping cart page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-010 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/10/2015 |
| Module Name: Shopping Cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add product by Scanning NFC (Duplicate) | **Test Executed Date:** 14/10/2015 |

|  |
| --- |
| Pre-Condition: Do the Test Case TCA-009 |
| Dependencies:- |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click on "+" button at the lower page.  Select "NFC".  Scan the NFC tag. | **NFC tag:**  Product ID  8 851959 132074  (Coke Zero) | The tester can see the new product name “Coke Zero” amount is 2 each and the total price is 30. |

|  |
| --- |
| Post-Condition: The tester can see the new product and new total price in the shopping cart page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-011 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: View Wish list | **Test Executed Date:** 25/07/2015 |

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| --- |
| Pre-Condition: Launch the application |
| Dependencies:- |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on "Wish list " menu | - | The tester can see the Wish list page |

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| --- |
| Post-Condition: The tester can see the wish list page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-012 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add a product to Wish list. | **Test Executed Date:** 25/07/2015 |

|  |
| --- |
| Pre-Condition: Access to the Wish list page. |
| Dependencies:- |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Click Add button at the lower page.  Select the product name. | **Product Name:**  Coke Zero | The tester can see the product name “Coke Zero” 1 each and the total price is 15. |

|  |
| --- |
| Post-Condition: The tester can see the new product and new total price in the Wish list page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-013 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add a product to Wish list (Duplicate). | **Test Executed Date:** 25/07/2015 |

|  |
| --- |
| Pre-Condition: Access to the Wish list page. |
| Dependencies:- |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click Add button at the lower page.  Select the product categorize.  Select the product name. | **Product Categorize:** Drinking  **Product Name:**  Coke Zero | The tester can see the product name “Coke Zero” 2 each and the total price is 30. |

|  |
| --- |
| Post-Condition: The tester can see the new product and new total price in the shopping cart page. |

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| --- | --- |
| Test Case ID: TCA-014 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/10/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Check list the product that already have in shopping cart page. (Not colored) | **Test Executed Date:** 14/10/2015 |

|  |
| --- |
| Pre-Condition: Delete the product name Coke zero in the Shopping cart. |
| Dependencies:- |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Open the Wish list page. | **-** | The tester can see the check box at the front of “Coke Zero” is not colored. |

|  |
| --- |
| Post-Condition: The tester can see the blank check box. |

|  |  |
| --- | --- |
| Test Case ID: TCA-015 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/10/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Check list the product that already have in shopping cart page. (Colored) | **Test Executed Date:** 14/10/2015 |

|  |
| --- |
| Pre-Condition:  1. Edit the product name Coke zero in the Wish list to 1 each.  2. Add the product name Coke zero 1 each in the Shopping cart. |
| Dependencies:- |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Open the Wish list page. | **-** | The tester can see the check box at the front of “Coke Zero” is colored. |

|  |
| --- |
| Post-Condition: The tester can see the colored check box. |

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| --- | --- |
| Test Case ID: TCA-016 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/10/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Edit amount of product | **Test Executed Date:** 14/10/2015 |

|  |
| --- |
| Pre-Condition: Access to the Wish list page. |
| Dependencies:- |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Click on text box that show amount of product name "Coke Zero."  Input new amount of product.  Click on submit button. | **Amount of product:** 1 | The tester can see the amount of product named "Coke Zero" is 1 each and the total price is 15. |

|  |
| --- |
| Post-Condition: The tester can see the new amount and the new total price of all product. |

|  |  |
| --- | --- |
| Test Case ID: TCA-017 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/10/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Delete the Product In the Wish list (Confirmation = No) | **Test Executed Date:** 14/10/2015 |

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| --- |
| Pre-Condition: There are some Coke Zero in the list. |
| Dependencies: - |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Click on delete button of product name "Coke Zero."  Click on "No" in confirmation form. | **Confirmation:**  No | The tester can see the product named "Coke Zero" on the wish list page. |

|  |
| --- |
| Post-Condition: The tester can see the product is still in the wish list. |

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| --- | --- |
| Test Case ID: TCA-018 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/10/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Delete the Product In the Wish list (Confirmation = Yes) | **Test Executed Date:** 14/10/2015 |

|  |
| --- |
| Pre-Condition: There are some Coke Zero in the list. |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Click on delete button of product name "Coke Zero".  Click on "Yes" on the confirmation form. | **Confirmation:**  Yes | The tester cannot see the product named "Coke Zero" on the shopping cart, and the total price is changed. |

|  |
| --- |
| Post-Condition: The tester can see the product disappear and see the new total price of all product. |

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| --- | --- |
| Test Case ID: TCA-019 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Pop-up dialog of Product detail | **Test Executed Date:** 25/07/2015 |

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| --- |
| Pre-Condition: Access to any page |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Click on "+" button.  Hold click on the product name. | **Product Name:**  Coke Zero | The tester can see the product detail of Coke Zero.  Product ID: 8 851959 132074  Product Name: Coke Zero  Price: 15  Promotion: - |

|  |
| --- |
| Post-Condition: The tester can see the product detail. |

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| --- | --- |
| Test Case ID: TCA-020 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Product Catalog | **Test Executed Date:** 25/07/2015 |

|  |
| --- |
| Pre-Condition: Access to Wish list page. |
| Dependencies: - |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on "+" button | **-** | The tester can see the product catalog that contain the list of all Products. |

|  |
| --- |
| Post-Condition: The tester can see the product from the catalog. |

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| --- | --- |
| Test Case ID: TCA-021 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 05/11/2015 |
| Module Name: Shopping Cart | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: NFC scanning | **Test Executed Date:** 12/11/2015 |

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| --- |
| Pre-Condition: Write product ID into NFC tag and mobile enable the NFC scanning. |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Access to the shopping cart page.  Bring the mobile phone near the NFC tag. | **NFC Tag:**  8 851959 132074 | The tester can see the product name “Coke Zero” in the shopping cart list. |

|  |
| --- |
| Post-Condition: The product will added to the shopping cart page. |

|  |  |
| --- | --- |
| Test Case ID: TCA-022 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 05/11/2015 |
| Module Name: Compare Page | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: View Compare Page | **Test Executed Date:** 12/11/2015 |

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| --- |
| Pre-Condition: Launch the application. |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3  4 | Click on “Compare” on the menu bar.  Click on “Eye” icon button at the bottom of the page.  Select the product categorize.  Click on checkbox in front of the product name. Check 2 product. | Product categorize: Drinking  Checkbox   1. Coke Zero 2. Pepsi | The tester can see the product detail of Coke Zero and Pepsi on the Compare Page. |

|  |
| --- |
| Post-Condition: The tester can see the two selected product detail on the page. |

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| --- | --- |
| Test Case ID: TCA-023 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 05/11/2015 |
| Module Name: Compare Page | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Add product to the wish list in the Compare Page. | **Test Executed Date:** 12/11/2015 |

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| --- |
| Pre-Condition: TCA-022. |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Click on “+” button below the product name “Coke Zero”  Click on “+” button below the product name “Pepsi” |  | The tester can see the product name “Coke Zero” and “Pepsi” on the wish list page. |

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| --- |
| Post-Condition: The tester can see the product in the wish list page. |

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| --- | --- |
| Test Case ID: TCA-024 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 29/11/2015 |
| Module Name: Wish list | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Sorting Shortest distance. | **Test Executed Date:** 09/12/2015 |

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| --- |
| Pre-Condition: Add the test products into the database. |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Access to the shopping cart page.  Add Coke Zero to the shopping cart.  Access to the wish list page. | Products   1. Coke zero – X, Y = 5, 1 2. Aura – X, Y = 4, 5 3. Pepsi – X, Y = 3, 2 | The wish list should be   1. Pepsi 2. Aura |

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| --- |
| Post-Condition: The tester can see the product Aura is the first in the wish list page. |

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| --- | --- |
| Test Case ID: TCA-025 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 29/11/2015 |
| Module Name: iWish | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Display guide message | **Test Executed Date:** 09/12/2015 |

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| --- |
| Pre-Condition: Disable NFC of mobile. |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Launch the application.  See the message. | - | The tester can see the message “Enable the NFC to use the scanning NFC feature” |

|  |
| --- |
| Post-Condition: The tester can see the message. |

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| --- | --- |
| Test Case ID: TCA-026 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 29/11/2015 |
| Module Name: iWish | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Display guide message | **Test Executed Date:** 09/12/2015 |

|  |
| --- |
| Pre-Condition: Enable NFC of mobile. |
| Dependencies: - |

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2 | Launch the application.  See the message. | - | The tester cannot see the message “Enable the NFC to use the scanning NFC feature” |

|  |
| --- |
| Post-Condition: The tester cannot see the message. |

|  |  |
| --- | --- |
| Test Case ID: TCA-027 | Test Designed By: Saksorn Khongsirirat |
| Test Priority: Medium | **Test Designed Date:** 29/11/2015 |
| Module Name: iWish | **Test Executed By:** Saksorn Khongsirirat |
| Test Title: Close display guide message | **Test Executed Date:** 09/12/2015 |

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| --- |
| Pre-Condition: - |
| Dependencies: - |

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| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1  2  3 | Launch the application.  See the message.  Click on “OK” button | - | The message dialog is closed. |

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| Post-Condition: The tester can see the message. |