Test Plan

**Document History**

|  |  |  |  |  |  |  |
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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

UNW 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**

**UNW-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**

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

**Description:** This test case use 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**

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

**Description:** This test case use 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} |

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

**Description:** This test case use 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} |

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

**Description:** This test case use 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 | { } |

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

**Description:** This test case use 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} | { } |

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

**Description:** This test case use 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} |

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

**Description:** This test case 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}. | { } |

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

**Description:** This test case use 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”, “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 | { } |
| **2** | Test by input product’s code. | 885077955955 | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |

**Class name: MainActivity**

**UNA-10:** addToCart(View view): void

**Description:** This test case use for adding a product by input product’s id to the shopping cart from the database via connecting to web services’ database.

**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** |
| **View** |
| **1** | Test by input existed product’s id. | editTextDialogUserInput : 885077955955 | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |
| **2** | Test by input not existed product’s id. | editTextDialogUserInput : 1 | { } |

**UNA-11:** Bar(View view): List<Product>

**Description:** This test case use for initial barcode scanner.

**Prerequisite or input required**

No data available.

**Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Description** | **Input** | **Expected Result** |
| **View** |
| **1** | Test by input existed product’s id. | buttonAddBar | initiateScan(); |

**UNA-12:** onActivityResult(int requestCode, int resultCode, Intent intent): void

**Description:** This test case use for adding a product’s description by scan barcode to the shopping cart from the database via connecting to web services’ database.

**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** |
| **1** | Test by input existed product’s id. | {null, 885077955955, this} | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, null} |
| **2** | Test by input not existed product’s id. | {null, 2, this} | { } |
| **3** | Test by not input result code product’s id. | {null, null, this} | { } |

**Class name: MyCustomList**

**UNA-13:** deleteBtn.onClick(View view): void

**Description:** This test case use for delete the product from the shopping cart from the database via connecting to web services’ database.

**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** |
| **View** |
| **1** | Test by input existed product’s id. | deleteBtn.pos : 1 | { } |
| **2** | Test by input not existed product’s id. | deleteBtn.pos : 2 | {1, “885077955955”, “Aura”, “mineral water 100%”, “mineral water”, 1.5, 19, null, 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 | Enter ID and Password | ID = customer  Password = Admin | Show message “ID and password are incorrect” |
| 2 | Select “login” |

|  |
| --- |
| Post-Condition: The admin 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 | Enter ID and Password | ID = customer  Password = Admin | Show message “ID and password are incorrect” |
| 2 | Select “login” |

|  |
| --- |
| Post-Condition: None |

|  |  |
| --- | --- |
| 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 | Enter ID and Password | ID = Admin  Password = 1234 | Show message “ID and password are incorrect” |
| 2 | Select “login” |

|  |
| --- |
| Post-Condition: Input ID and Password again. |

|  |  |
| --- | --- |
| 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 | Enter ID and Password | ID = customer  Password = 1234 | Show message “ID and password are incorrect” |
| 2 | Select “login” |

|  |
| --- |
| Post-Condition: Input ID and Password again. |

|  |  |
| --- | --- |
| 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 | Select “Add Product” | ID = 885077955955  Name = Aura  Description = mineral water 100%  Categorize = mineral water  Net weight = 1.5 litre  Price = 19 thb | -Display all product page  -Show message “Add Succeed”  -Information in database same as Test Data |
| 2 | Enter information |
| 3 | Select “Add” |
| 4 | See information in database |
|  |  |

|  |
| --- |
| Post-Condition: The 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 | Select “Add Product” | 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 |
| 2 | Enter information |
| 3 | Select “Add” |
| 4 | See information in database |
|  |  |

|  |
| --- |
| Post-Condition: None |

|  |  |
| --- | --- |
| 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” | - | Display all product page |

|  |
| --- |
| Post-Condition: Can edit and delete product |

|  |  |
| --- | --- |
| Test Case ID: TCW-008 | Test Designed By: Visava Chumnuam |
| Test Priority: Medium | **Test Designed Date:** 10/07/2015 |
| Module Name: Search product by ID | **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’ ID | - | Display all product page with same or similar product’s ID |
| 2 | Select “search” |

|  |
| --- |
| Post-Condition: The 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 | Select “edit” | Amount= 1  Promotion price= 0 | -Display all product page  -Show message “Edit Succeed”  - Information in database same as Test Data |
| 2 | Enter information |
| 3 | See information in database |

|  |
| --- |
| Post-Condition: Update the product’s information in the database |

|  |  |
| --- | --- |
| 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 | Select “edit” | Price= 17 | -Display all product page  -Show message “Edit Succeed”  - Information in database same as Test Data |
| 2 | Edit information |
| 3 | See information in database |

|  |
| --- |
| Post-Condition: Update the product’s information in the database |

|  |  |
| --- | --- |
| 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 | Select “Delete” | Answer= cancel | Nothing change |
| 2 | Select “Cancel” |
| 3 | See information in database |

|  |
| --- |
| Post-Condition: None |

|  |  |
| --- | --- |
| 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 | Select “Delete” | Answer= ok | -Product disappear from list and database  -Show message “Delete Succeed” |
| 2 | Select “OK” |
| 3 | See information in database |

|  |
| --- |
| Post-Condition: Update the database |

|  |  |
| --- | --- |
| 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” | - | -Display login page |

|  |
| --- |
| Post-Condition: Prevent unauthorized user to use web application |

|  |  |
| --- | --- |
| 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 Shopping Cart | **Test Executed Date:** 2015/25/07 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Go to main page of application | - | Tester can see the shopping cart page |
| 2 | Click on "Shopping Cart" menu |

|  |
| --- |
| Post-Condition: Add / Edit / Delete the product in Shopping cart |

|  |  |
| --- | --- |
| 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 Shopping Cart (Input) | **Test Executed Date:** 2015/25/07 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on "Add" button | **Product ID:**  8 851959 132074  (Coke Zero) | Tester can see the product named "Coke Zero" in the shopping cart page |
| 2 | Select "Input ID" |
| 3 | Click on text box |
| 4 | Input ID of product |
| 5 | Click on submit button |

|  |
| --- |
| Post-Condition: Edit amount / Delete product |

|  |  |
| --- | --- |
| 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 Shopping Cart (Input Duplicate product) | **Test Executed Date:** 2015/25/07 |

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

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| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on "Add" button | **Product ID:**  8 851959 132074  (Coke Zero) | Tester can see amount of the product named "Coke Zero" is 2 each |
| 2 | Select "Input ID" |
| 3 | Click on text box |
| 4 | Input ID of product |
| 5 | Click on submit button |

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| Post-Condition: Edit amount / Delete product |

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| 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 Shopping Cart (Scan Barcode) | **Test Executed Date:** 2015/25/07 |

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

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| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on "Add" button | **Product ID:**  8 85077 955955  (Aura Drink water) | Tester can see the product named "Aura" in the shopping cart page |
| 2 | Select "Scan barcode" |
| 3 | Take a picture on product's barcode |

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| Post-Condition: Edit amount / Delete product |

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| 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 Shopping Cart (Scan Duplicate Barcode) | **Test Executed Date:** 2015/25/07 |

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

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| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on "Add" button | **Product ID:**  8 85077 955955  (Aura Drink water) | Tester can see amount of the product named "Aura" is 2 each |
| 2 | Select "Scan barcode" |
| 3 | Take a picture on product's barcode |

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| Post-Condition: Edit amount / Delete product |

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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 Shopping Cart | **Test Executed Date:** 2015/25/07 |

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

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

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| Post-Condition: None |

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| 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:** 2015/25/07 |

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

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| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on delete button of product name "Coke Zero" | **Confirmation:** No | Tester still see product named "Coke Zero" in shopping cart |
| 2 | Click on "No" in confirmation form |

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| Post-Condition: None |

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| 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:** 2015/25/07 |

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

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| Steps | Test Steps | Test Data | Expected Result |
| 1 | Click on delete button of product name "Coke Zero" | **Confirmation:** Yes | Tester cannot product named "Coke Zero" in shopping cart |
| 2 | Click on "Yes" in confirmation form |

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| Post-Condition: Update the database |