Traceability Record

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**Table of Contents**

1. Introduction 4

1.1 Project Overview 4

1.1.1 Purpose 4

1.1.2 Scope 4

1.1.3 Acronyms …………………………………………………………………………………………....4

2. Traceability Matrix 5

2.1 User Requirement Specification

And System Requirement Specification (Android Application**)**……………………………......5

2.2 Use Case and User Requirement Specification (Android Application)………………………….………...5

2.3 Sequence Diagram and User Requirement Specification (Android Application)……………...……….6

2.4 Activity Diagram and User Requirement Specification (Android Application)…………………………..6

2.5 User Requirements Specification and Test Case (Android Application)………………………………….7

2.6 User Requirements Specification and Test Record (Android Application)……………………………….7

2.7 Record (Android Application)……………………………………………………………………………..8

2.8 User Requirement Specification

And System Requirement Specification (Web Application**)**…………………………….…....10

2.9 Use Case and User Requirement Specification (Web Application)……………..……………….……..10

2.10 Sequence Diagram and User Requirement Specification (Web Application)………………...……..11

2.11 Activity Diagram and User Requirement Specification (Web Application)……………….…………..11

2.12 User Requirements Specification and Unit Test (Web Application)………….…………….………..…12

2.13 User Requirements Specification and Unit Test Record (Web Application)……………..……….……13

2.14 User Requirements Specification and Test Case (Web Application)……………………….………..…14

2.15 User Requirements Specification and Test Record (Web Application)………………………………...15

2.16 Record (Web Application)………………………………………………………………….…………...16

2.17 Crossover…………………………………………………………………………………….17

# **Introduction**

**1.1 Purpose**

The purpose of traceability record is tracking each process together. The tracking makes the reader that read the document more understand how the system works together. This document contains about the traceability matrix and record.

**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**

ADA Activity Diagram Android

ADW Activity Diagram Web

APK Android Package Kit

SDA Sequence Diagram Android

SDW Sequence Diagram Web

SK Saksorn Khongsirirat

SRSA System Requirement Specification Android

SRSA System Requirement Specification Web

TCA Test Case Android

TRA Test Record Android

TCA Test Case Web

TRA Test Record Web

UCA Use case Diagram Android

UCW Use case Diagram Website

URSA User Requirement Specification Android

URSW User Requirement Specification Website

VC Visava Chumnuam

1. **Traceability Matrix**

2.1 User Requirement Specification and System Requirement Specification (Android Application**)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | URSA | SRSA-27 | SRSA-28 | SRSA-29 | SRSA-30 | SRSA-31 | SRSA-32 | SRSA-33 | SRSA-34 | SRSA-35 | SRSA-36 | SRSA-37 | SRSA-38 | SRSA-39 | SRSA-40 | SRSA-41 | SRSA-42 | SRSA-43 | SRSA-44 | SRSA-45 |
| 1 | URSA-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | URSA-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | URSA-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | URSA-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | URSA-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | URSA-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | URSA-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | URSA-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | URSA-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

2.2 Use Case and User Requirement Specification (Android Application)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Use Case | URSA-08 | URSA-09 | URSA-10 | URSA-11 | URSA-12 | URSA-13 | URSA-14 | URSA-15 | URSA-16 |
| 1 | UCA-01 |  |  |  |  |  |  |  |  |  |
| 2 | UCA-02 |  |  |  |  |  |  |  |  |  |
| 3 | UCA-03 |  |  |  |  |  |  |  |  |  |
| 4 | UCA-04 |  |  |  |  |  |  |  |  |  |
| 5 | UCA-05 |  |  |  |  |  |  |  |  |  |
| 6 | UCA-06 |  |  |  |  |  |  |  |  |  |
| 7 | UCA-07 |  |  |  |  |  |  |  |  |  |
| 8 | UCA-08 |  |  |  |  |  |  |  |  |  |

2.3 Sequence Diagram and User Requirement Specification (Android Application)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Sequence Diagram | URSA-08 | URSA-09 | URSA-10 | URSA-11 | URSA-12 | URSA-13 | URSA-14 | URSA-15 | URSA-16 |
| 1 | SDA-01 |  |  |  |  |  |  |  |  |  |
| 2 | SDA-02 |  |  |  |  |  |  |  |  |  |
| 3 | SDA-03 |  |  |  |  |  |  |  |  |  |
| 4 | SDA-04 |  |  |  |  |  |  |  |  |  |
| 5 | SDA-05 |  |  |  |  |  |  |  |  |  |
| 6 | SDA-06 |  |  |  |  |  |  |  |  |  |
| 7 | SDA-07 |  |  |  |  |  |  |  |  |  |
| 8 | SDA-08 |  |  |  |  |  |  |  |  |  |

2.4 Activity Diagram and User Requirement Specification (Android Application)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Activity Diagram | URSA-08 | URSA-09 | URSA-10 | URSA-11 | URSA-12 | URSA-13 | URSA-14 | URSA-15 | URSA-16 |
| 1 | ADA-01 |  |  |  |  |  |  |  |  |  |
| 2 | ADA-02 |  |  |  |  |  |  |  |  |  |
| 3 | ADA-03 |  |  |  |  |  |  |  |  |  |
| 4 | ADA-04 |  |  |  |  |  |  |  |  |  |
| 5 | ADA-05 |  |  |  |  |  |  |  |  |  |
| 6 | ADA-06 |  |  |  |  |  |  |  |  |  |
| 7 | ADA-07 |  |  |  |  |  |  |  |  |  |
| 8 | ADA-08 |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | URSA | TCA-01 | TCA-02 | TCA-03 | TCA-04 | TCA-05 | TCA-06 | TCA-07 | TCA-08 | TCA-09 | TCA-10 | TCA-11 | TCA-12 | TCA-13 | TCA-14 | TCA-15 | TCA-16 | TCA-17 | TCA-18 | TCA-19 | TCA-20 | TCA-21 | TCA-22 | TCA-23 | TCA-24 | TCA-25 | TCA-26 | TCA-27 |
| 1 | URSA-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | URSA-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | URSA-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | URSA-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | URSA-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | URSA-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | URSA-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | URSA-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | URSA-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

2.5 User Requirement Specification (Android Application) and Test Case (Android)

2.6 User Requirement Specification (Android Application) and Test Record (Android)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | URSA | TRA-01 | TRA-02 | TRA-03 | TRA-04 | TCA-05 | TRA-06 | TRA-07 | TRA-08 | TRA-09 | TRA-10 | TRA-11 | TRA-12 | TRA-13 | TRA-14 | TRA-15 | TRA-16 | TRA-17 | TRA-18 | TRA-19 | TRA-20 | TRA-21 | TRA-22 | TRA-23 | TRA-24 | TRA-25 | TRA-26 | TRA-27 |
| 1 | URSA-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | URSA-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | URSA-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | URSA-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | URSA-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | URSA-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | URSA-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | URSA-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | URSA-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

2.7 User Requirement Specification (Android Application) and Record (Android Application)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | URSA. ID. | URSA | SRSA | UCA | ADA | SDA | TCA | TRA |
| 1 | 08 | The customer can view the shopping cart that show detail of the product that add by the customer in list format. | 27,36 | 01 | 01 | 01 | 001 | 001 |
| 2 | 09 | The customer can add the new product to the shopping cart by three ways. (Inputting ID of the product manually, using scanning barcode and using scanning NFC). | 28,29,30,31,32,38,40 | 02 | 02 | 02 | 002,003,004,005,009,010,021 | 002,003,004,005,009,010,021 |
| 3 | 10 | The customer can edit the amount of product. | 33 | 03 | 03 | 03 | 006,016 | 006,016 |
| 4 | 11 | The customer can delete the product. | 34 | 04 | 04 | 04 | 007,008,017,018 | 007,008,017,018 |
| 5 | 12 | The customer can view the wish list page that show the detail (check box, name, amount, total price) of product that add by the customer in list format. | 27,35,36,37,43,44,45 | 05 | 05 | 05 | 011,014,015024,025,026,027 | 011,014,015,024,025,026,027 |
| 6 | 13 | The customer can add a product to the wish list of application for doing next process by selecting the product list that query from database. | 28,30,38 | 06 | 06 | 06 | 012,013,020 | 012,013,020 |
| 7 | 14 | The customer can view a product detail that contain the ID, name, description, categorize, net weight, price, the amount required for promotion and promotion of the product when the user hold click on the product. | 39 | 07 | 07 | 07 | 019 | 019 |
| No. | URSA. ID. | URSA | SRSA | UCA | ADA | SDA | TCA | TRA |
| 8 | 15 | The customer can compare two product by adding two product into the compare page. | 38,41 | 08 | 08 | 08 | 022 | 022 |
| 9 | 16 | The customer can add a product on the compare page to the wish list by click on add button below the product detail. | 28,42 | 08 | 08 | 08 | 023 | 023 |

**ADA**- Activity Diagram Android

**SDA**- Sequence Diagram Android

**SRSA**- Software Requirement specification Android

**TCA**- Test Case Android

**TRA-** Test Record Android

**UCA**- Use Case Android

**URSA**- User Requirement Specification Android

2.8 User Requirement Specification and System Requirement Specification (Web Application)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | URSW | SRSW-01 | SRSW-02 | | | SRSW-03 | SRSW-04 | | SRSW-05 | SRSW-06 | SRSW-07 | SRWS-08 | SRSW-09 | SRSW-010 | SRSW-011 | SRSW-012 | SRSW-013 | SRSW-014 | SRSW-015 | SRSW-016 | SRSW-017 | SRSW-018 | SRSW-019 | SRSW-020 | SRSW-021 | SRSW-022 | SRSW-023 | SRSW-024 | SRSW-025 | SRSW-026 |
| 1 | URSW-01 |  | |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | URSW-02 |  | |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | URSW-03 |  | |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | URSW-04 |  | |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | URSW-05 |  | |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | URSW-06 |  | |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | URSW-07 |  | |  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

2.9 Use Case and User Requirement Specification (Web Application)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Use Case | URSW-01 | URSW-02 | URSW-03 | URSW-04 | URSW-05 | URSW-06 | URSW-07 |
| 1 | UCW-01 |  |  |  |  |  |  |  |
| 2 | UCW-02 |  |  |  |  |  |  |  |
| 3 | UCW-03 |  |  |  |  |  |  |  |
| 4 | UCW-04 |  |  |  |  |  |  |  |
| 5 | UCW-05 |  |  |  |  |  |  |  |
| 6 | UCW-06 |  |  |  |  |  |  |  |
| 7 | UCW-07 |  |  |  |  |  |  |  |

2.10 Activity Diagram and User Requirement Specification (Web Application)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Activity Diagram Web | URSW-01 | URSW-02 | URSW-03 | URSW-04 | URSW-05 | URSW-06 | URSW-07 |
| 1 | UCW-01 |  |  |  |  |  |  |  |
| 2 | UCW-02 |  |  |  |  |  |  |  |
| 3 | UCW-03 |  |  |  |  |  |  |  |
| 4 | UCW-04 |  |  |  |  |  |  |  |
| 5 | UCW-05 |  |  |  |  |  |  |  |
| 6 | UCW-06 |  |  |  |  |  |  |  |
| 7 | UCW-07 |  |  |  |  |  |  |  |

2.11 Sequence Diagram and User Requirement Specification (Web Application)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Sequence Diagram Web | URSW-01 | URSW-02 | URSW-03 | URSW-04 | URSW-05 | URSW-06 | URSW-07 |
| 1 | UCW-01 |  |  |  |  |  |  |  |
| 2 | UCW-02 |  |  |  |  |  |  |  |
| 3 | UCW-03 |  |  |  |  |  |  |  |
| 4 | UCW-04 |  |  |  |  |  |  |  |
| 5 | UCW-05 |  |  |  |  |  |  |  |
| 6 | UCW-06 |  |  |  |  |  |  |  |
| 7 | UCW-07 |  |  |  |  |  |  |  |

2.12 System Requirement Specification (Web Application) and Unit Test Case (Web Application)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | SRSW | UTW-01 | UTW-02 | UTW-03 | UTW-04 | UTW-05 | UTW-06 | UTW-07 | UTW-08 | UTW-09 | UTW-10 | UTW-11 | UTW-12 | UTW-13 |
| 1 | SRSW-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | SRSW-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | SRSW-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | SRSW-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | SRSW-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | SRSW-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | SRSW-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | SRSW-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | SRSW-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | SRSW-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | SRSW-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | SRSW-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | SRSW-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | SRSW-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | SRSW-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | SRSW-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | SRSW-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 | SRSW-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 | SRSW-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 | SRSW-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 | SRSW-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 | SRSW-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23 | SRSW-23 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 | SRSW-24 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 | SRSW-25 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26 | SRSW-26 |  |  |  |  |  |  |  |  |  |  |  |  |  |

2.13 System Requirement Specification (Web Application) and Unit Test Record (Web Application)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | SRSW | UTW-01 | UTW-02 | UTW-03 | UTW-04 | UTW-05 | UTW-06 | UTW-07 | UTW-08 | UTW-09 | UTW-10 | UTW-11 | UTW-12 | UTW-13 |
| 1 | SRSW-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | SRSW-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | SRSW-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | SRSW-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | SRSW-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | SRSW-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | SRSW-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | SRSW-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | SRSW-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | SRSW-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | SRSW-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | SRSW-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | SRSW-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | SRSW-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | SRSW-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | SRSW-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | SRSW-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 | SRSW-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 | SRSW-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 | SRSW-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 | SRSW-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 | SRSW-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23 | SRSW-23 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 | SRSW-24 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 | SRSW-25 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26 | SRSW-26 |  |  |  |  |  |  |  |  |  |  |  |  |  |

2.14 User Requirement Specification (Web Application) and Test Case (Web Application)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | URSW | TCW-01 | TCW-02 | TCW-03 | TCW-04 | TCW-05 | TCW-06 | TCW-07 | TCW-08 | TCW-09 | TCW-10 | TCW-11 | TCW-12 | TCW-13 | TCW-14 | TCW-15 | TCW-16 |
| 1 | URSW-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | URSW-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | URSW-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | URSW-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | URSW-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | URSW-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | URSW-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

2.15 User Requirement Specification (Web Application) and Test Record (Web Application)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | URSA description | TRW-01 | TRW-02 | TRW-03 | TRW-04 | TRW-05 | TRW-06 | TRW-07 | TRW-08 | TRW-09 | TRW-10 | TRW-11 | TRW-12 | TRW-13 | TRW-14 | TRW-15 | TRW-16 |
| 1 | URSW-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | URSW-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | URSW-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | URSW-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | URSW-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | URSW-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | URSW-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

2.16 Record (Web Application)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | URSW. ID. | URSW | SRSW | UCW | ADW | SDW | TCW | TRW | UTW | UTRW |
| 1 | 01 | Admin can log in to the web application. | 01,02,03,04 | 01 | 01 | 01 | 01,02,03,04 | 01,02,03,04 | 01,03 | 001  ,003 |
| 2 | 02 | Admin can add new product to the system. | 03,05,06,07,08,09 | 02 | 02 | 02 | 05,06 | 05,06 | 03,06 | 003  ,006 |
| 3 | 03 | Admin can view all products in the system. | 03,05 | 03 | 03 | 03 | 07 | 07 | 03 | 003 |
| 4 | 04 | Admin can search product by product’s ID in the system. | 03,10,11 | 04 | 04 | 04 | 08 | 08 | 04,09 | 004  009 |
| 5 | 05 | Admin can edit product’s information. | 03,12,13,14,15,25,26 | 05 | 05 | 05 | 09,10 | 09,10 | 02,03,05,08 | 002  ,003  ,005  ,008 |
| 6 | 06 | Admin can delete product from the system. | 03,16,17,18,19 | 06 | 06 | 06 | 11,12 | 11,12 | 03,07 | 003  ,007 |
| 7 | 07 | Admin can log out from web application. | 01,20 | 07 | 07 | 07 | 13 | 13 | - | - |

**ADW**- Activity Diagram Web

**SDW**- Sequence Diagram Web

**SRSW**- Software Requirement Specification Web

**TCW**- Test Case Web

**TRW**- Test Record Web

**UCW**- Use Case Web

**URSW**- User Requirement Specification Web

**UTRW**- Unit Test Record Web

**UTW**- Unit Test Web

**2.17 Crossover**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | SRSW NO. | SRSW | URSA  No. | SRSA | UTW | UTRW |
| 1 | 21 | System shall query and sent product’s information including id, name, description, category, net weight, price, an amount required for promotion and promotion price in the database to the client by product’ id. | 09 | 30,31,32,40 | 10 | 10 |
| 2 | 22 | System shall query and sent all product’s information including id, name, description, category, net weight, price, an amount required for promotion and promotion price in the database to the client. | 13 | 38 | 11 | 11 |
| 3 | 23 | System shall query and send the all categories in the database to the client. | 13,16 | 38,42 | 12 | 12 |
| 4 | 24 | System shall query and send the all product in the database to the client by product’ categories. | 13,16 | 38,42 | 13 | 13 |

**SRSW**- Software Requirement Specification Web

**SRSA**- Software Requirement Specification Android

**URSA-** User Requirement Specification

**UTW**- Unit Test Web

**UTRW**- Unit Test Record Web