SOFTWARE TESTING AND MAINTENANCE DOCUMENT

For

[RTECH ORDERING FOOD SYSTEM]

Prepared By:

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# 1.0 INTRODUCTION

## Purpose

The purpose of this document is to provide the details of the design of the system. This document gives a better understanding of the design process for this system. It addresses the design implementation of Gym Management System.

## 1.2 Scope

This document is written for the ROF system. This document contains information about the system consideration, system architecture, low level design and high level design.

## Intended Audience

The intended audiences of this document are the RTECH Software Development Team from RTECH Sdn. Bhd. and the representatives from the client.

## 1.4 Product

The name of product is RTECH Ordering Food System or “ROFS” in short. R0FS is an application foods and drinks ordering via online services. The system is applicable for admin, and member.

## 1.5 Definition

|  |  |
| --- | --- |
| RRFOS | RTECH Food Ordering System (RRFOS) is an online application system allows customer to view the information about the Food Ordering Centre including the menu provided, promotion offer and invoice details. The system is applicable for admin, and customer. |
| Admin | Admin is staff of the RTECH Food Ordering Management System that can access to the system. They able to manage each data in the database and do not have limited access to the system. |
| User | Users are customer for RTECH Food Ordering Management System that has their own interface which allows them view their own interface and have limited access to the system. |

## 1.6 Acronyms

**SRS** System Requirement Specification

**SDD** Software Design Document

**RRFOS** RTECH Food Ordering Management System

**GUI** Graphical User Interface

# 2.0 ROFS Test Plan

## 2.1 Test Item

The following documents will provide the basis for defining correct operation:

1. ROFS System Requirement Specification (SRS)
2. ROFS Software Design Document (SDD)

The test items include all system features in ROFS:

## 2.2 Test Traceability Matrix

The following table contains the function in ROFS and its traceability:

|  |  |  |  |
| --- | --- | --- | --- |
| **Function ID.** | **Risk Level** | **Function** | **Source Function** |
| F001 | High | Login and Register | SRS |
| F002 | High | Order Food and Drink | SRS |
| F003 | High | Update Status Order | SRS |
| F004 | High | Manage Menu | SRS |
| F005 | High | Payment | SRS |
| F006 | High | Generate Bill | SRS |
| F007 | High | Booking Table | SRS |

**Table 2: Test Traceability Matrix**

## 2.3 Features to Be Tested

The following table contains the features to be tested based on ROFS Software Requirement Specifications (SRS).

|  |  |  |
| --- | --- | --- |
| **Function ID.** | **Risk Level** | **Function** |
| F001 | High | Login and Registration |
| F002 | High | Order Food and Drink |
| F003 | High | Update Status Order |
| F004 | High | Manage Menu |
| F005 | High | Payment |
| F006 | High | Generate Bill |
| F007 | High | Booking Table |

**Table 3: Features to Be Tested**

## 2.4 Features Not to Be Tested

Aside from the features listed, other aspects of the system are not covered in this test plan. This includes:

* Operation procedure

This test plan is for system level test, operation procedure is not covered here.

* Network security

This test plan is designed for functional test, security is not covered.

## 2.5 Approach

This test will also be a black-box test where test cases are derived using black-box testing techniques such as:

* Equivalence Partitioning
* Boundary Value analysis
* Decision Table testing
* State Transition testing
* Use Case Testing

## 2.6 Item Pass/Fail Criteria

The system must satisfy the following criteria in order to pass:

* All test cases must be passed
* 0% calculation error in any function involving monetary transaction
* No deadlock during operation

## 2.7 Test Deliverables

The following document will be generated by the system test group and will be delivered during system testing:

Test documentation:

* Test Plan
* Test Design Specification
* Test Case Specification
* Test Procedure Specifications
* Test Logs
* Test Summary Report

## 2.8 Entry Criteria

The following items are needed before testing can begin:

* Requirements document for ROFS 1.1
* Software Under Test: ROFS 1.1

## 2.9 Exit Criteria

The following items are needed before testing can end:

* All Test Deliverables have been delivered to client
* Test execution has been completed
* Open defect at the end of final iteration shall be:
* Zero fatal defect
* Zero major defect
* <= three minor defects

## 2.10 Planned Activity and Tasks

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Task** | **Activities** | **Date** |
| 1 | Test Planning and Control | * Requirement view * Identify risk, staffing and scheduling * Documenting test plan * Technical review * Submission and approval of test plan |  |
| 2 | Test Analysis and Design | * Analyse product * Develop test design specification * Prepare test case specification |  |
| 3 | Test Environment | * Setup GMS * Identify and acquired test data |  |
| 4 | Test Implementation and Execution | * Prepare test procedure specification * Perform functional test * Record test result * Analyse test result |  |
| 5 | Documenting Test | * Summarize test result |  |
| 6 | Documenting Test Closure | * Collecting test process data |  |
| 7 | Test Complete | * Delivery product to client |  |

## 2.11 Risk and Contingency

This section identifies the risk issues that may impact successful completion of the system testing activities in ROFS. The potential likelihood, impact and mitigation plan was described in the following tables.

|  |  |
| --- | --- |
| 1 | Rated as Low |
| 2 | Rated as Medium |
| 3 | Rated as High |
| 4 | Rated as Extreme |

**Table 5: Likelihood Rating Table**

|  |  |
| --- | --- |
| 1 | Rated as Low |
| 2 | Rated as Medium |
| 3 | Rated as High |
| 4 | Rated as Extreme |

**Table 6: Priority Rating Table**

## 2.11 Function List

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Function ID.** | **Function** | **Likelihood** | **Impact** | **Risk Exposure** | **Treatment Plan** |
| F001 | Login & Registration | 3 | 3 | 3 | Perform functional test |
| F002 | Order Foods & Drinks | 3 | 3 | 3 | Perform functional test |
| F003 | Update Status Order | 3 | 3 | 3 | Perform functional test |
| F004 | Payment | 3 | 3 | 3 | Perform functional test |
| F005 | Manage Menu | 3 | 3 | 3 | Perform functional test |
| F006 | Generate Bill | 3 | 3 | 3 | Perform functional test |
| F007 | Booking Table | 3 | 3 | 3 | Perform functional test |

**Table 7: Function List**

# 3.0 Test Design Specification

## 3.1 Login and Registration Document Control

**3.1.1 Features to Be Tested**

The following table contains the features to be tested based on RFOS Software Requirement Specification (SRS) for this iteration. Listed together are the function ID and its corresponding function and its risk level.

|  |  |  |
| --- | --- | --- |
| **Feature ID** | **Description** | **Risk Level** |
| F001 | Login | High |

**3.1.2 Approach Refinements**

Feature ID: F001

Test Technique: Decision table testing, Use case testing, State Transition Testing

Result Analysis Method:

**3.1.2.1 Decision Table Testing**

|  |  |
| --- | --- |
| Test Condition ID | Test Condition |
| TCON-01-001 | Valid “Username” |
| TCON-01-002 | Valid “Password” |
| TCON-01-003 | Valid user |
| TCON-01-004 | Invalid “Username” |
| TCON-01-005 | Invalid “Password” |
| TCON-01-006 | Invalid “User” |

**Table 3.1.2.1a Session Verification Decision Table Test Conditions**

|  |  |  |  |
| --- | --- | --- | --- |
| Condition | TCON-01-001 | TCON-01-002 | TCON-01-003 |
| Valid “Username” | N | Y | Y |
| Valid “Password” | - | N | Y |
| Valid user | - | N | N |
| Output |  |  |  |
| Invalid “Username” | Y | N | N |
| Invalid “Password” | - | Y | N |
| Invalid “User” | - | N | N |

**Table 3.1.2.1b Session Verification Decision Table**

**3.1.2.2 Use Case Testing**

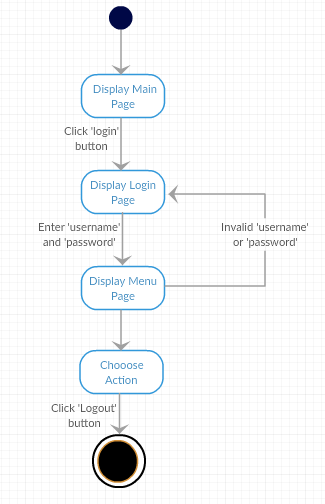
|  |  |  |
| --- | --- | --- |
| Use case ID | UC001 | |
| Use case | F001 Login | |
| Purpose | To allow customer to login and make order | |
| Actor | User | |
| Trigger | User click ‘Login’ button | |
| Precondition | RFOS is access | |
| Scenario Name | Step | Action |
| Main Flow | 1 | User enter ‘Username’ |
| 2 | User enter ‘Password’ |
| 3 | User click ‘Login’ button |
| 4 | System displays main page |
| 5 | User chooses their action |
| 6 | System performs the chose action |
| 7 | User ends session |
|
|
|
| Alternate Flow 1 (Invalid Username or Passworrd) | 6.1 | User re-enter ‘Username’ or ‘Password’ |
| 6.2 | Back to main flow number 3 until 7 |

**Table 3.1.2.2a Session Verification Use Case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Condition ID | Test Condition | Test coverage ID | Test coverage | Test data |
| TCON-01-001 | Main Flow | TCOV-01-001 | Main Flow | Valid username, valid password |
| TCON-01-002 | Alternate Flow 1 (Invalid Username or Passworrd) | TCOV-01-002 | Alternate Flow 1 (Re-enter ‘Username’ and ‘Password’) | Invalid username or password |

**Table 3.1.2.2b Session Verification Use Case Test Conditions & Coverage**

**3.1.2.3 State Transition Testing**



**Figure 3.1.2 Session Verification State Transition Diagram**

The test condition for state transition testing is as follows:

1. TCON-02-014 Session Verification State Transition

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input\**  **State** | **Click “Login”**  **Page** | **Enter “Username”/ “Password”** | **Click “Login”**  **Button** | **Choose Action** |
| **Display Main page** | DMP  TCOV-01-001 | - | - | - |
| **Display Login page** | - | DLP TCOV-01-002 | - | - |
| **Display Menu page** | - | - | DMP TCOV-01-003 | DMP TCOV-01-004 |
| **Choose Action** | - | - | - | - |

**Table 3.1.2a Session Verification State Table**

**3.1.3 Test Identification**

This section should contain information at least as below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | **Description** | **Test Coverage ID** | **Test Condition ID** |
| TC-01-001 | Main flow | TCOV-01-001 | TCON-01-001 |
| TCON-01-002 | Alternate Flow 1 (Invalid Username or Passworrd) | TCOV-01-002 | TCON-01-002 |

**Table 3.1.3 Session Verification Test Identification**

**3.1.4 Feature Pass/Fail Criteria**

This section should contain information at least as below:

Each feature must satisfy the following criteria in order to pass:

i. pass all its test cases

ii. no deadlock

iii. fulfill its requirement

**3.1.5 Test Deliverable**

The following documents will be generated by the system test group and will be delivered after test completion.

Test documentation:

i. test plan

ii. test design specifications

iii. test case specification

iv. test procedure specification

vi. test logs

vii. test summary report

## 3.2 Order Food and and Drink Document Control

**3.2.1 Features To Be Tested**

The following table contains the features to be tested based on RFOS Software Requirement Specification (SRS) for this iteration. Listed together are the function ID and its corresponding function and its risk level.

|  |  |  |
| --- | --- | --- |
| **Feature ID** | **Description** | **Risk Level** |
| F002 | Order Food and Drink | High |

**3.2.2 Approach Refinements**

Feature ID: F002

Test Technique: Decision table testing, Use case testing, State Transition Testing

Result Analysis Method:

**3.2.2.1 Decision Table Testing**

|  |  |
| --- | --- |
| Test Condition ID | Test Condition |
| TCON-02-001 | Click “Menu” button |
| TCON-02-002 | Click “Set Meals” button |
| TCON-02-003 | Click “Add Ons” button |
| TCON-02-004 | Click “AlaCarte” button |
| TCON-02-005 | Click “Drink” button |
| TCON-02-006 | Valid Order |
| TCON-02-007 | Click ”Order” button |
| TCON-02-008 | Tick list of food |
| TCON-02-009 | Click “Reset” button |
| TCON-02-010 | Tick”Dine In” or “Take Away” |
| TCON-02-011 | Click “Confirm” button |
| TCON-02-012 | Invalid Order |
| TCON-02-013 | Order again |

**Table 3.2.2.1a Session Verification Decision Table Test Conditions**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | T  C  O  V  -  02  -  001 | T  C  O  V  -  02  -  002 | T  C  O  V  -  02  -  003 | T  C  O  V  -  02  -  004 | T  C  O  V  -  02  -  005 | T  C  O  V  -  02  -  006 | T  C  O  V  -  02  -  007 | T  C  O  V  -  02  -  008 | T  C  O  V  -  02  -  009 | T  C  O  V  -  02  -  010 | T  C  O  V  -  02  -  011 |
| Click “Menu” button | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Click “Set Meals” button | N | Y | N | N | N | Y | Y | Y | Y | Y | Y |
| Click “Add Ons” button | N | N | Y | N | N | Y | Y | Y | Y | Y | Y |
| Click “AlaCarte” button | N | N | N | Y | N | Y | Y | Y | Y | Y | Y |
| Click “Drink” button | N | N | N | N | Y | Y | Y | Y | Y | Y | Y |
| Valid Order | N | Y | Y | Y | Y | N | Y | Y | Y | Y | Y |
| Click ”Order” button | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Tick list of food | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Click “Reset” button | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Tick”Dine In” or “Take Away” | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Click “Confirm” button | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Output |  | | | | | | | | | |
| Invalid Order | Y | N | N | N | N | Y | N | N | N | N | N |
| Order again | Y | N | N | N | N | N | N | N | N | N | N |

**Table 3.2.2.1 b Session Verification Decision Table**

**3.2.2.2 Use Case Testing**

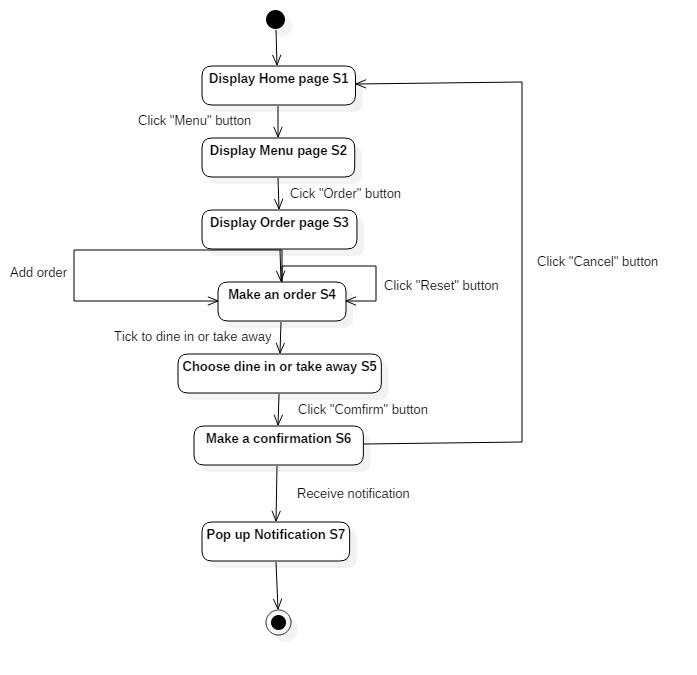
|  |  |  |
| --- | --- | --- |
| Use case ID | UC002 | |
| Use case | F002 Order Food and Drink | |
| Purpose | To allow customer to view menu and make order | |
| Actor | User | |
| Trigger | User click 'Menu' button | |
| Precondition | ROFS is access | |
| Scenario Name | Step | Action |
| Main Flow | 1 | User click 'Menu' button |
| 2 | System displays menu of food and drink |
| 3 | User click 'Order' button |
| 4 | System displays order pages |
| 5 | User chooses their food and drink |
| 6 | User click 'Dine In' button |
| 7 | User click 'Confirm' button |
| 8 | System displays list of order and total price |
| 9 | System displays notification after waiter update order status |
| 10 | User ends session |
| Alternate Flow 1 (Click 'Take Away' button) | 6.1 | User click 'Take Away' |
| 6.2 | Back to main flow number 7 until 10 |
| Alternate Flow 2 (Click 'Delete' button) | 7.1 | User click 'Reset' button to reset order |
| 7.1 | Back to main flow number 2 until 10 |
| Alternate Flow 3(Additional menu ) | 5.1 | User click 'Call Waiter' button |
| 5.2 | Back to main flow number 6 until 10 |

**Table 3.2.2.2a Session Verification Use Case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Condition ID | Test Condition | Test coverage ID | Test coverage | Test data |
| TCON-02-001 | Main Flow | TCOV-02-001 | Main Flow |  |
| TCON-02-002 | Alternate Flow 1 (Click 'Take Away' button) | TCOV-02-002 | Alternate Flow 1 (Click 'Take Away' button) |  |
| TCON-02-003 | Alternate Flow 2 (Click 'Reset' button) | TCOV-02-003 | Alternate Flow 2 (Click 'Reset' button) |  |
| TCON-02-004 | Alternate Flow 3(Additional menu) | TCOV-02-004 | Alternate Flow 3(Additional menu) |  |

**Table 3.2.2.2 b Session Verification Use Case Test Conditions & Coverage**

**3.2.2.3 State transtition Testing**



**Figure 3.2.2.3 Session Verification State Transition Diagram**

The test condition for state transition testing is as follows:

1. TCON-02-014 Session Verification State Transition

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input\**  **State** | **Click “Menu”**  **(CM)** | **Click “Order”**  **(CO)** | **Click “Reset”**  **(CR)** | **Add order**  **(AO)** | **Tick dine in or take away**  **(DITA)** | **Click “Confirm”**  **(CC)** | **Click “Cancel”**  **(CCAN)** |
| **Display Home page (S1)** | S2/DMP  TCOV-02-014 | S1/- | S1/- | S1/- | S1/- | S1/- | S1/- |
| **Display Menu page (S2)** | S2/- | S3/DOP TCOV-02-015 | S2/- | S2/- | S2/- | S2/- | S2/- |
| **Display Order page (S3)** | S3/- | S3/- | S4/MAO TCOV-02-016 | S4/MAO TCOV-02-017 | S3/- | S3/- | S3/- |
| **Make an order (S4)** | S4/- | S4/- | S4/- | S4/- | S5/CDT TCOV-02-018 | S4/- | S4/- |
| **Choose dine in or take away (S5)** | S5/- | S5/- | S5/- | S5/- | S5/- | S6/MAC TCOV-  02-019 | S5/- |
| **Make a confirmation (S6)** | S6/- | S6/- | S6/- | S6/- | S6/- | S6/- | S1/PN TCOV-02-020 |

**Table 3.2.2.3a Session Verification State Table**

|  |  |
| --- | --- |
| **Test Coverage ID** | **Test Coverage** |
| TCOV-03-014 | S1 to S2 with input CM |
| TCOV-03-015 | S2 to S3 with input CO |
| TCOV-03-016 | S3 to S4 with input CR |
| TCOV-03-017 | S3 to S4 with input AO |
| TCOV-03-018 | S4 to S5 with input DITA |
| TCOV-03-019 | S5 to S6 with input CC |
| TCOV-03-020 | S6 to S1 with input CCAN |

**Table 3.2.2.3b Session Verification State Coverage**

**3.2.3 Test Identification**

This section should contain information at least as below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | **Description** | **Test Coverage ID** | **Test Condition ID** |
| TC-02-001 | Main flow (Click ‘Menu’ button) | TCOV-02-001 | TCON-02-001 |
| TC-02-002 | Main flow (Click ‘Set Meals’ button) | TCOV-02-002 | TCON-02-002 |
| TC-02-003 | Main flow (Click ‘Add Ons’ button) | TCOV-02-003 | TCON-02-003 |
| TC-02-004 | Click ‘Ala Carte’ button) | TCOV-02-004 | TCON-02-004 |
| TC-02-005 | Main flow (Click ‘Drink’ button) | TCOV-02-005 | TCON-02-005 |
| TC-02-006 | Main flow (Click ‘Order’ button) | TCOV-02-006, TCOV-02-007 | TCON-02-006  TCON-02-007 |
| TC-02-007 | Tick list of food | TCOV-02-008 | TCON-02-008 |
| TC-02-008 | Alternative Flow 2 (Click ‘Reset’ button) | TCOV-02-009 | TCON-02-009 |
| TC-02-009 | Main flow (Tick ‘Dine In’ or ‘Take Order’) | TCOV-02-010 | TCON-02-010 |
| TC-02-010 | Main flow (Click ‘Confirm’ button) | TCOV-02-011 | TCON-02-011 |

**Table 2.1.3 Session Verification Test Identification**

**3.2.4 Feature Pass/Fail Criteria**

This section should contain information at least as below:

Each feature must satisfy the following criteria in order to pass:

i. pass all its test cases

ii. no deadlock

iii. fulfill its requirement

**3.2.5 Test Deliverable**

The following documents will be generated by the system test group and will be delivered after test completion.

Test documentation:

i. test plan

ii. test design specifications

iii. test case specification

iv. test procedure specification

vi. test logs

vii. test summary report

## 3.4 Payment Document

**3.4.1 Features To Be Tested**

The following table contains the features to be tested based on RFOS Software Requirement Specification (SRS) for this iteration. Listed together are the function ID and its corresponding function and its risk level.

|  |  |  |
| --- | --- | --- |
| **Feature ID** | **Description** | **Risk Level** |
| F004 | Payment | High |

**3.4.2 Approach Refinements**

Feature ID: F004

Test Technique: Decision table testing, Use case testing, State Transition Testing

Result Analysis Method:oo

**3.4.2.1 Decision Table Testing**

|  |  |
| --- | --- |
| Test Condition ID | Test Condition |
| TCON-04-001 | Invalid staffID |
| TCON-04-002 | Invalid password |
| TCON-04-003 | Invalid login 1-2 times |
| TCON-04-004 | Invalid login 3 times |
| TCON-04-005 | Click “View” button |
| TCON-04-006 | Click “Search” button |
| TCON-04-007 | Click “Update” button |
| TCON-04-008 | Click “Save” button |
| TCON-04-009 | Click “Delete Order” button |

**Table 3.4.2.1a Session Verification Decision Table Test Conditions**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | T  C  O  V  -  04  -  001 | T  C  O  V  -  04  -  002 | T  C  O  V  -  04  -  003 | T  C  O  V  -  04  -  004 | T  C  O  V  -  04  -  005 | T  C  O  V  -  04  -  006 | T  C  O  V  -  04  -  007 | T  C  O  V  -  04  -  008 | T  C  O  V  -  04  -  009 | T  C  O  V  -  04  -  010 |
| Invalid staffID | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Invalid password | N | Y | N | N | N | Y | Y | Y | Y | Y |
| Invalid login 1-2 times | N | N | Y | N | N | Y | Y | Y | Y | Y |
| Invalid login 3 times | N | N | N | Y | N | Y | Y | Y | Y | Y |
| Click “Search” button | N | N | N | N | Y | Y | Y | Y | Y | Y |
| Click “Update” button | N | Y | Y | Y | Y | N | Y | Y | Y | Y |
| Click “Save” button | N | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Click “Delete Order” button | N | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Output |  | | | | | | | | | |
| Display customer receipt | Y | N | N | N | N | Y | N | N | N | N |

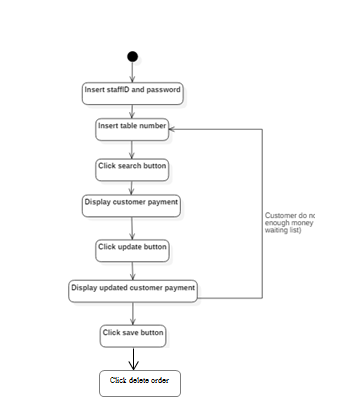
**Table 2.2.1b Session Verification Decision Table**

**3.4.2.2 Use Case Testing**

|  |  |  |
| --- | --- | --- |
| Use case ID | UC004 | |
| Use case | F004 Payment | |
| Purpose | To allow cashier to make payment | |
| Actor | Cashier | |
| Trigger | Cashier inserts staffID and password | |
| Precondition | Cashier enter to Homepage | |
| Scenario Name | Step | Action |
| Main Flow | 1 | Inserts staffID and password |
| 2 | Insert table number and click “search” button |
| 3 | Display customer payment |
| 4 | Click “Update” button to update customer payment |
| 5 | Display update customer payment |
| 6 | Click “Save” button |
| 7 | Click “Delete Order” to delete customer order history |
| Alternate Flow 1 (incorrect StaffID and password) | 1.1 | Cashier inputs incorrect StaffID and password |
| 1.2 | System displays error message invalid StaffID and password and request for cashier to reenter StaffID and password |
| 1.3 | Back to main flow |
| Alternate Flow 2 (Not enough money) | 5.1 | Customer do not have enough money |
| 5.2 | Cashier cannot proceed the payment |
| 5.3 | Back to main flow |

**Table 3.4.2.2a Session Verification Use Case**

**3.4.2.3 State transtition Testing**



**Figure 3.4.2.3 Session Verification State Transition Diagram**

The test condition for state transition testing is as follows:

1. TCON-04-014 Session Verification State Transition

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input\**  **State** | **Click “Search”**  **(CSh)** | **Click “Update”**  **(CU)** | **Click “Save”**  **(CSe)** | **Click “Delete Order”**  **(CDO)** |
| **Display Home page (S1)** | S2/DHP  TCOV-02-011 | S1/- | S1/- | S1/- |
| **Display Customer Payment (S2)** | S2/- | S3/DCP TCOV-02-012 | S2/- | S2/- |
| **Display Updated Customer Payment (S3)** | S3/- | S3/- | S4/DUCP TCOV-02-013 | S3/- |

**Table 3.4.2.3a Session Verification State Table**

|  |  |
| --- | --- |
| **Test Coverage ID** | **Test Coverage** |
| TCOV-04-011 | S1 to S2 with input CSh |
| TCOV-04-012 | S2 to S3 with input CU |
| TCOV-04-013 | S3 to S4 with input CSe |
| TCOV-04-014 | S3 to S4 with input CSe |
| TCOV-04-015 | S4 to S5 with input DCR |

**Table 3.4.2.3b Session Verification State Coverage**

**3.4.3 Test Identification**

This section should contain information at least as below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | **Description** | **Test Coverage ID** | **Test Condition ID** |
| TC-04-001 | Main flow | TCOV-04-001 | TCON-04-001 |
| TC-04-002 | Alternate Flow 1 (incorrect StaffID and password) | TCOV-04-002 | TCON-04-002 |

Test documentation:

i. test plan

ii. test design specifications

|  |  |  |  |
| --- | --- | --- | --- |
| TC-04-003 | Alternate Flow 2 (Not enough money) | TCOV-04-003 | TCON-04-003 |

**Table 3.4.1.3 Session Verification Test Identification**

**3.4.4 Feature Pass/Fail Criteria**

This section should contain information at least as below:

Each feature must satisfy the following criteria in order to pass:

i. pass all its test cases

ii. no deadlock

iii. fulfill its requirement

**3.4.5 Test Deliverable**

The following documents will be generated by the system test group and will be delivered after test completion.

iii. test case specification

iv. test procedure specification

vi. test logs

vii. test incident report

vii. test summary report

FOOD ORDERING SYSTEM (RFOS)

## 3.5 Manage Menu Document Control

## 3.5.1 Features To Be Tested

The following table contains the features to be tested based on RFOS Software Requirement Specification (SRS) for this iteration. Listed together are the function ID and its corresponding function and its risk level.

|  |  |  |
| --- | --- | --- |
| **Feature ID** | **Description** | **Risk Level** |
| F005 | Manage Menu | Medium |

## 3.5.2 Approach Refinements

Feature ID: F005

Test Technique: Decision table testing, Use case testing, State Transition Testing

Result Analysis Method:

### 3.5.2.1 Decision Table Testing

|  |  |
| --- | --- |
| Test Condition ID | Test Condition |
| TCON-05-001 | Click “Login” button |
| TCON-05-002 | Click “Select” button |
| TCON-05-003 | Click “Update” Set Meals button |
| TCON-05-004 | Click “Update” Add Ons button |
| TCON-05-005 | Click “Update” AlaCarte button |
| TCON-05-006 | Click “Update” Drink button |
| TCON-05-007 | Click “Save” button |
| TCON-05-008 | Save menu in database |
| TCON-05-009 | Click ”View” button |
| TCON-05-010 | Display menu |

**Table 3.5.2.1a Session Verification Decision Table Test Conditions**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | T  C  O  V  -  05  -  001 | T  C  O  V  -  05  -  002 | T  C  O  V  -  05  -  003 | T  C  O  V  -  05  -  004 | T  C  O  V  -  05  -  005 | T  C  O  V  -  05  -  006 | T  C  O  V  -  05  -  007 | T  C  O  V  -  05  -  008 | T  C  O  V  -  05  -  009 | T  C  O  V  -  05  -  010 |
| Click “Login” button | Y | Y | Y | Y | Y | Y | Y | Y | N | Y |
| Click “Select” button | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Click “Update” Set Meals button | N | Y | N | N | N | Y | Y | Y | Y | Y |
| Click “Update” Add Ons button | N | N | Y | N | N | Y | Y | Y | Y | Y |
| Click “Update” AlaCarte button | N | N | N | Y | N | Y | Y | Y | Y | Y |
| Click “Update” Drink button | N | N | N | N | Y | Y | Y | Y | Y | N |
| Click “Save” button | N | Y | Y | Y | Y | N | Y | Y | Y | Y |
| Click ”View” button | N | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Save menu in database | N | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Output |  |
| Display Menu | Y | N | N | N | N | Y | N | N | N | N |

**Table 3.5.2.2b Session Verification Decision Table**

**3.5.3 Use Case Testing**

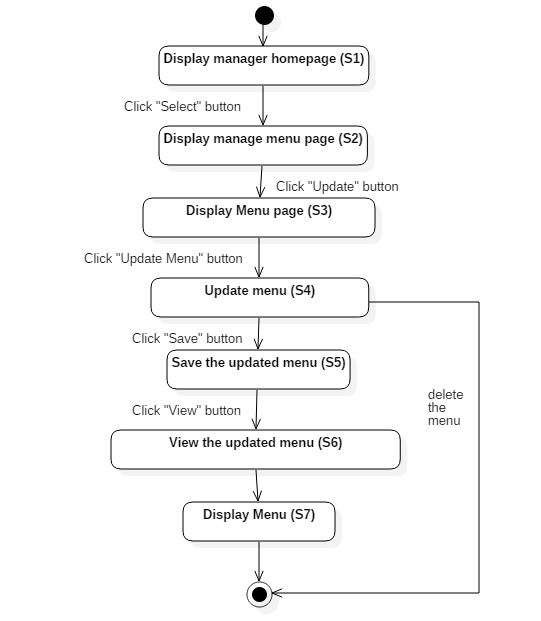
|  |  |  |
| --- | --- | --- |
| Use case ID | UC005 | |
| Use case | F005 Manage Menu | |
| Purpose | To allow manager to update the menu | |
| Actor | Manager | |
| Trigger | User click 'Select' button | |
| Precondition | Manager login to the system | |
| Scenario Name | Step | Action |
| Main Flow | 1 | Manager enter to the manager home |
| 2 | Manager click the button ‘select’ manage menu |
| 3 | Manager enter the manage menu page |
| 4 | Manager may choose to click the ‘update’ button on Set Meals, Add On, Ala Carte and Drinks. |
| 5 | If manager click the ‘update’ button for Set Meals, then it will display the Set Meals page. |
| 6 | Manger needs to click ‘update’ button so it will display the database manage menu. |
| 7 | After manager update the menu, he needs to click the ‘save’ button to save the updated menu |
| 8 | Then he can click the ‘view’ button to view the updated menu in the customer interface |
| 9 | System displays menu |
| 10 | Manager ends session |
| Alternate Flow 1 (Click 'Delete Menu’ button) | 6.1 | Manager delete the menu |
| 6.2 | Back to main flow number 7 until 10 |

**Table 2.2.2a Session Verification Use Case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Condition ID | Test Condition | Test coverage ID | Test coverage | Test data |
| TCON-02-001 | Main Flow | TCOV-02-001 | Main Flow |  |
| TCON-02-002 | Alternate Flow 1 (Click 'Delete Menu’ button) | TCOV-02-002 | Alternate Flow 1 (Click 'Delete Menu’ button) |  |

**Table 2.1.1.2b Session Verification Use Case Test Conditions & Coverage**

### 3.5.2.2 State transtition Testing



**Figure 3.5.2.2 Session Verification State Transition Diagram**

The test condition for state transition testing is as follows:

1. TCON-05-014 Session Verification State Transition

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Input\**  **State** | **Click “Select”**  **(CS)** | **Click “Update”**  **(CU)** | **Click “Update Menu”**  **(CUM)** | **Click “Save Menu”**  **(CSM)** | **Click “View”**  **(CV)** |
| **Display Manager Homepage (S1)** | S2/DMH  TCOV-05-014 | S1/- | S1/- | S1/- | S1/- |
| **Display Manage Menu page (S2)** | S2/- | S3/DMMP TCOV-05-015 | S2/- | S2/- | S2/- |
| **Display Menu page (S3)** | S3/- | S4/DMP TCOV-05-016 | S3/- | S3/- | S3/- |
| **Update Menu (S4)** | S4/- | S4/- | S5/UM TCOV-05-017 | S4/- | S4/- |
| **Save Updated Menu (S5)** | S5/- | S5/- | S5/- | S6/SUM TCOV-05-018 | S5/- |
| **View Menu (S6)** | S6/- | S6/- | S6/- | S6/- | S7/VM TCOV-05-019 |
| **Display Menu (S7)** | S7/- | S7/- | S7/- | S7/- | S7/- |

**Table 3.5.2.2 a Session Verification State Table**

|  |  |
| --- | --- |
| **Test Coverage ID** | **Test Coverage** |
| TCOV-05-014 | S1 to S2 with input CS |
| TCOV-05-015 | S2 to S3 with input CU |
| TCOV-05-016 | S3 to S4 with input CU |
| TCOV-05-017 | S4 to S5 with input CUM |
| TCOV-05-018 | S5 to S6 with input CSM |
| TCOV-05-019 | S6 to S7 with input VM |

**Table 3.5.2.2 b Session Verification State Coverage**

## 3.5.3 Test Identification

This section should contain information at least as below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Condition ID | Test Condition | Test coverage ID | Test coverage | Test data |
| TCON-05-001 | Main Flow | TCOV-05-001 | Main Flow | TCON-05-001 |
| TCON-05-002 | Alternate Flow 1 (Click 'Delete Menu’ button) | TCOV-05-002 | Alternate Flow 1 (Click 'Delete Menu’ button) | TCON-05-002 |

**Table 3.5.3.1 Session Verification Test Identification**

## 3.5.4 Feature Pass/Fail Criteria

This section should contain information at least as below:

Each feature must satisfy the following criteria in order to pass:

i. pass all its test cases

ii. no deadlock

iii. fulfill its requirement

## 3.5.5 Test Deliverable

The following documents will be generated by the system test group and will be delivered after test completion.

Test documentation:

i. test plan

ii. test design specifications

iii. test case specification

iv. test procedure specification

vi. test logs

vii. test summary report

# 4.0 Test Cases Specification

## 4.1 Login and Registration Document Control

**4.1.1 Environment**

ROFS tests will be run using dummy data where tested food ordering. Tests shall be performed on actual ROFS with the following specification.

|  |  |
| --- | --- |
| Hardware name | Surface Pro |
| Manufacturer | Microsoft |
| Keyboard | On-screen |
| Processor | Intel core i5 |

**Table 4.1: ROFS Hardware Requirements**

**4.1.2 Test Case**

This section details all test cases designed separated according to feature.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_01\_001 | | |
| **Related Feature ID** | F001 | | |
| **Objective** | Login | | |
| **Covered Test Coverage Items** | TCOV-01-001 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Login” Page | Display “Login” Page | Table 1 | None |

**Table 4.2: Verify Menu Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_01\_002 | | |
| **Related Feature ID** | F001 | | |
| **Objective** | Login | | |
| **Covered Test Coverage Items** | TCOV-01-002 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Enter “username” and “password” | Display “Login” Page | Table 1 | None |

**Table 4.3: Verify Set Meals Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_01\_003 | | |
| **Related Feature ID** | F001 | | |
| **Objective** | Login | | |
| **Covered Test Coverage Items** | TCOV-01-003 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Login” button | Display Menu Page | Table 1 | None |

**Table 4.4: Verify Add On Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_01\_004 | | |
| **Related Feature ID** | F001 | | |
| **Objective** | Login | | |
| **Covered Test Coverage Items** | TCOV-01-004 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Choose action | Display chose action | Table 1 | None |

**Table 4.5: Verify Ala Carte Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_01\_005 | | |
| **Related Feature ID** | F001 | | |
| **Objective** | Login | | |
| **Covered Test Coverage Items** | TCOV-01-005 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Perform chose action | Display result | Table 1 | None |

**Table 4.6 Verify Drink Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_01\_006 | | |
| **Related Feature ID** | F001 | | |
| **Objective** | Login | | |
| **Covered Test Coverage Items** | TCOV-01-006 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Logout” button | Display Main Page | Table 1 | None |

**Table 4.7 Verify Drink Button Test Case**

## 4.2 Order Foods and Drinks Document Control

**Document Control**

|  |  |
| --- | --- |
| **Document Name** | ROFS Test Case Specification |
| **Reference Number** | ROFS\_TSR |
| **Version** | 1.0.0 |
| **Project Code** | RTECH\_ROFS |
| **Status** | In-Use |
| **Date Released** | 25th of May, 2017 |

|  |  |  |
| --- | --- | --- |
| **Name** | **Position** | **Contact Number** |
| Prepared By*:*  FATIN ATHIRAH BINTI AZALAN | Test Manager  RTECH Sdn. Bhd. |  |
| Reviewed By:  NORAISYAH BT YAAKUB | Quality Assurance Team |  |

**Version History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Release Date** | **Section** | **Amendments** |
| 1.0.0 | 25/5/2017 | All | Original Document |

**Distribution List**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Version** | **Release Date** | **Contolled Copy No** | **Receipient Name** | **Department** | **Issue Date** | **Return Date** |
| 1.0.0 | 25/5/2017 | 01 |  | RTECH. QA Dept. | 25/5/2017 |  |
| 1.0.0 | 25/5/2017 | 02 |  | RTECH INC. Test Team | 25/5/2017 |  |
| 1.0.0 | 25/5/2017 | 03 |  | RTECH | 25/5/2017 |  |

**4.2.1 Test Cases**

**Environment**

ROFS tests will be run using dummy data where tested food ordering. Tests shall be performed on actual ROFS with the following specification.

|  |  |
| --- | --- |
| Hardware name | Surface Pro |
| Manufacturer | Microsoft |
| Keyboard | On-screen |
| Processor | Intel core i5 |

**Table 4.2.1.1 ROFS Hardware Requirements**

The following dummy data for food ordering are needed for testing purposes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table No. | Validity | List of Order | Qty | DineIn/TakeAway | Total Price |
| 01 | Invalid | N/A | N/A | N/A | N/A |
| 02 | Valid | 1. Family Set 2. Ala Carte-Prawn 3. IceLemonTea | 1. 3 2. 1 3. 3 | DineIn | RM 109.90 |
| 03 | Valid | 1. Family Set 2. Coffee | 1. 4 2. 4 | DineIn | RM 50.99 |

**Table 4.2.1.2 Required Dummy ROFS data**

**4.2.2 Test Case**

**Session Verification**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_001 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | View Menu | | |
| **Covered Test Coverage Items** | TCOV-02-001 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Menu” button | Display menu page | Table 1 | None |

**Table 4.2.2.1 Verify Menu button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_002 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | View Menu | | |
| **Covered Test Coverage Items** | TCOV-02-002 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Set Meals” button | Display Set Meals page | Table 1 | None |

**Table 4.2.2.2 Verify Set Meals button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_003 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | View Menu | | |
| **Covered Test Coverage Items** | TCOV-02-003 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Add Ons” button | Display Add Ons page | Table 1 | None |

**Table 4.2.2.3 Verify Add Ons button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_004 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | View Menu | | |
| **Covered Test Coverage Items** | TCOV-02-004 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Ala Carte” button | Display Ala Carte page | Table 1 | None |

**Table 4.2.2.4 Verify Ala Carte button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_005 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | View Menu | | |
| **Covered Test Coverage Items** | TCOV-02-005 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Drink” button | Display Drink page | Table 1 | None |

**Table 4.2.2.5 Verify Drink button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_006 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | Make Order | | |
| **Covered Test Coverage Items** | TCOV-02-006,TCOV-02-007 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Order” button | Display Order page | Table 1 | None |

**Table 4.2.2.6 Verify Drink button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_007 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | Make Order | | |
| **Covered Test Coverage Items** | TCOV-02-008 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Tick list of food | Display list of menu that already being ticked | Table 1 | None |

**Table 4.2.2.7 Verify Tick list of food Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_008 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | Make Order | | |
| **Covered Test Coverage Items** | TCOV-02-009 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Reset” button | System display  list of menu that already deleted. | Table 1 | None |

**Table 4.2.2.8 Verify Reset button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_009 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | Make Order | | |
| **Covered Test Coverage Items** | TCOV-02-010 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Tick “Dine In” or “Take Order” | System display the user’s choice whether to dine in or take away. | Table 1 | None |

**Table 4.2.2.9 Verify Reset button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_02\_010 | | |
| **Related Feature ID** | F002 | | |
| **Objective** | Make Order | | |
| **Covered Test Coverage Items** | TCOV-02-011 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Confirm” button | System display the list of menu with total price  and send to waiter’s page | Table 1 | None |

**Table 4.2.2.10 Verify Confirm button Test Case**

## 4.3 Update Status Order Document Control

**4.3.1 Environment**

ROFS tests will be run using dummy data where tested activity will not involve actual information. Tests shall be performed on actual monitor with the following specification.

|  |  |
| --- | --- |
| Hardware name | Surface Pro |
| Manufacturer | Microsoft |
| Keyboard | On-screen |
| Processor | Intel core i5 |

**Table 4.8: ROFS Hardware Requirements**

**4.3.2 Test Case**

This section details all test cases designed separated according to feature.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_001 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Main Flow | | |
| **Covered Test Coverage Items** | TCON-03-001 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Username = Waiter  Password = 1234 | System displays staff home page | Valid Login | None |
| Activity type = View order page | System displays view order page |
| Activity type = Update | System displays update order status page |
| Table No. = 12  Status = Waiting | System perform update |
| Continue update | System displays view order page |

**Table 49: Session Verification Main Flow Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_002 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow - Invalid Username | | |
| **Covered Test Coverage Items** | TCON-03-002 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Username = Waiter1  Password = 1234 | System displays message “Invalid username. Please re-enter your username” | None | None |
|
|

**Table 4.10: Session Verification Alternate Flow - Invalid Username Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_003 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow - Invalid Password | | |
| **Covered Test Coverage Items** | TCON-03-003 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Username = Waiter  Password = 12345 | System displays message “Invalid password. Please re-enter your password” | None | None |
|
|

**Table 4.11: Session Verification Alternate Flow - Invalid Password Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_004 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow - Invalid Login (1-2 times) | | |
| **Covered Test Coverage Items** | TCON-03-004 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Username = Waiter1  Password = 12345 | System displays message “Invalid login. Please re-enter your username and password” | None | None |
|
|

**Table 4.12: Session Verification Alternate Flow - Invalid Login (1-2 times) Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_005 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow - Invalid Login (3 times) | | |
| **Covered Test Coverage Items** | TCON-03-005 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Username = Waiter1  Password = 12345 | System displays message “You had invalid login with exceed the limit. Please refer to your manager” | None | None |
|
|

**Table 4.13: Session Verification Alternate Flow - Invalid Login (3 Times) Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_006 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow – Cancel during Login | | |
| **Covered Test Coverage Items** | TCON-03-006 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Press “Cancel” | System displays login page | Login | None |
|
|

**Table 4.14: Session Verification Alternate Flow - Cancel during Login Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_007 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow – Change Order Status | | |
| **Covered Test Coverage Items** | TCON-03-007 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Table No. = 12  Status = Done | System sends the information to customer's tablet | Login | None |
|
|

**Table 4.15: Session Verification Alternate Flow – Change Order Status Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_008 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow – Cancel during Change Order Status | | |
| **Covered Test Coverage Items** | TCON-03-008 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Press “Cancel” | System displays view order page | Login | None |
|
|

**Table 4.16: Session Verification Alternate Flow - Cancel during Change Order Status Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_009 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow – Not Response after change order status in 60 seconds | | |
| **Covered Test Coverage Items** | TCON-03-009 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Stay at current page for 60 seconds | System will pop-up a message “RFOS will be logout in 60 seconds” | Login | None |
|
|

**Table 4.17: Session Verification Alternate Flow - Not Response after change order status in 60 seconds Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_03\_010 | | |
| **Related Feature ID** | F003 | | |
| **Objective** | Session Verification Alternate Flow – Not Response after change order status in 5 minutes | | |
| **Covered Test Coverage Items** | TCON-03-010 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Stay at current page for 5 minutes | System displays message “Your session has been expired. Please login to continue” | Login | None |
|
|

**Table 4.18: Session Verification Alternate Flow - Not Response after change order status in 5 minutes Test Case**

## 4.4 Payment Document Control

**4.4.1 Environment**

RFOS tests will be run using dummy data where tested food ordering. Tests shall be performed on actual RFOS with the following specification.

|  |  |
| --- | --- |
| Hardware name | Surface Pro |
| Manufacturer | Microsoft |
| Keyboard | On-screen |
| Processor | Intel core i5 |

**Table 4.4.1 RFOS Hardware Requirements**

The following dummy data for view payment are needed for testing purposes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table No. | Validity | List of Order | Qty | DineIn/TakeAway | Total Price |
| 01 | Invalid | N/A | N/A | N/A | N/A |
| 02 | Valid | 1. Family Set 2. Ala Carte-Prawn 3. IceLemonTea | 1. 3 2. 1 3. 3 | DineIn | RM 109.90 |
| 03 | Valid | 1. Family Set 2. Coffee | 1. 4 2. 4 | DineIn | RM 50.99 |

**Table 4.4.1 Required Dummy RFOS data**

**4.4.2 Test Case**

This section details all test cases designed separated according to feature.

* + 1. **Session Verifiction**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_001 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | View Payment | | |
| **Covered Test Coverage Items** | TCOV-04-001 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Invalid staffID | Display homepage | Table 1 | None |

**Table 4.4.3.1 Verify Invalid staffID Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_002 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | View Payment | | |
| **Covered Test Coverage Items** | TCOV-04-002 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Invalid password | Display homepage | Table 1 | None |

**Table 4.4.3.2 Verify Invalid password Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_003 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | View Payment | | |
| **Covered Test Coverage Items** | TCOV-04-003 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Invalid login 1-2 times | Display homepage | Table 1 | None |

**Table 4.4.3.3 Verify Invalid login 1-2 times Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_004 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | View Payment | | |
| **Covered Test Coverage Items** | TCOV-04-004 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Invalid login 3 times | Display homepage | Table 1 | None |

**Table 4.4.3.4 Verify Invalid login 3 times Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_005 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | Make payment | | |
| **Covered Test Coverage Items** | TCOV-04-005 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Search” button | Display customer payment page | Table 1 | None |

**Table 4.4.3.5 Verify Search button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_006 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | Make payment | | |
| **Covered Test Coverage Items** | TCOV-04-006 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Update” button | Display updated customer payment page | Table 1 | None |

**Table 4.4.3.6 Verify Update button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_007 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | View Payment | | |
| **Covered Test Coverage Items** | TCOV-04-007 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Save” button | Display updated customer payment | Table 1 | None |

**Table 4.4.3.7 Verify Save button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_008 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | Make Payment | | |
| **Covered Test Coverage Items** | TCOV-04-008 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Delete Order” button | Display customer history payment | Table 1 | None |

**Table 4.4.3.8 Verify Delete Order button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_04\_09 | | |
| **Related Feature ID** | F004 | | |
| **Objective** | Make Payment | | |
| **Covered Test Coverage Items** | TCOV-04-09 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Print” button | Display customer receipt | Table 1 | None |

**Table 4.4.2.3.9 Verify Print button Test Case**

## 4.5 Manage Menu Document Control

**4.5.1 Environment**

ROFS tests will be run using dummy data where tested food ordering. Tests shall be performed on actual ROFS with the following specification.

|  |  |
| --- | --- |
| Hardware name | HP 20-c042d |
| Manufacturer | HP |
| Keyboard | HP USB Keyboard |
| Processor | Intel® Pentium® J3710 Processor |

**Table 4.19: RFOS Hardware Requirements**

The following dummy data for manage menu are needed for testing purposes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table No. | Validity | Menu | Update | Save | View |
| 01 | Valid | N/A | N/A | N/A | N/A |
| 02 | Valid | 1. Family Set 2. Ala Carte-Prawn 3. Ice Lemon Tea | Updated | Saved | Display Menu |
| 03 | Valid | 1. Family Set 2. Coffee | Fail to Update | Not save | Failed to load the menu page |

**Table 4.20: Required Dummy RFOS data**

**4.5.2 Test Case**

This section details all test cases designed separated according to feature.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_001 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Login | | |
| **Covered Test Coverage Items** | TCOV-05-001 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Login” button | Display Login page | Table 1 | None |

**Table 4.21 Verify Login Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| TC\_05\_002 | TC\_05\_002 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Update Menu | | |
| **Covered Test Coverage Items** | TC\_05\_002 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Select” button | Display Manage Menu page | Table 1 | None |

**Table 4.22 Verify Update Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_003 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Update Menu | | |
| **Covered Test Coverage Items** | TCOV-05-003 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Update” Set Meals button | Display Set Meals page | Table 1 | None |

**Table 4.23 Verify Update Set Meals Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_004 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Manage Menu | | |
| **Covered Test Coverage Items** | TCOV-05-004 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Update” Add On button | Display Add On page | Table 1 | None |

**Table 4.24 Verify Update Add On Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_005 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Manage Menu | | |
| **Covered Test Coverage Items** | TCOV-05-005 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Update” Ala Carte button | Display Ala Carte page | Table 1 | None |

**Table 4.25 Verify Update Ala Carte button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_006 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Manage Menu | | |
| **Covered Test Coverage Items** | TCOV-05-006 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Update” Drink button | Display Drink page | Table 1 | None |

**Table 4.26 Verify Update Drink Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_007 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Save Updated Menu | | |
| **Covered Test Coverage Items** | TCOV-05-007,TCOV-05-008 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “Save” button | Display Database page | Table 1 | None |

**Table 4.27 Verify Save Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_008 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Save Updated Menu | | |
| **Covered Test Coverage Items** | TCOV-05-008 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Save menu in database | System display a pop up that menu is being saved to database | Table 1 | None |

**Table 4.28 Verify Save Updated Menu Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_009 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | View Updated Menu | | |
| **Covered Test Coverage Items** | TCOV-05-009 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “View” button | System display  list of updated menu | Table 1 | None |

**Table 4.29 Verify View Button Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | TC\_05\_010 | | |
| **Related Feature ID** | F005 | | |
| **Objective** | Display Menu | | |
| **Covered Test Coverage Items** | TCOV-09-010 | | |
| **Input** | **Expected Result** | **Special Procedural Requirements** | **Intercase Dependency** |
| Click “View” button | System display  list of updated menu | Table 1 | None |

**Table 4.30 Verify Display Menu Test Case**

## 4.6 Generate Bill Control

# 5.0 Test Procedure Specification

## 5.1 Login and Registration Document Control

**5.1.1 Introduction**

**5.1.1.1 Purpose**

This procedure describes the steps necessary to perform the test specified in the test design specification for ROFS. The procedure describes the execution of the test case described in Test Case Specification ROFS\_TCS\_1\_1.0.0.

For test design specification and test cases, please refer to the following documents:

i. ROFS Test Design Specification (ROFS \_TDS\_1\_1.0.0)

ii. ROFS \_TCS\_1\_1.0.0

**5.1.1.2 Scope**

The following features are covered in this procedure.

|  |  |  |  |
| --- | --- | --- | --- |
| Feature ID | Feature | Description | Accessible Role |
| F001 | Login | To allow customer to login and make their order | Customer |

**5.1.1.3 References**

The following documents provide the test basis for this test design:

i. ROFS Software Requirement Specifications (ROFS \_SRS\_2.0)

**5.1.2 Test Procedure**

**5.1.2.1 Session Verification Test Procedure**

Prior to execution of the following test procedures, these special requirements must be prepared:

1. ROFS for customer in “ON” state.
2. ROFS for customer in “Home” page.
3. Valid order.

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-01-001 |
| **Objective** | Make Order |
| **Test Cases To Be Executed** | TC\_01\_001 |
| **Set Up** | 1. Enter “Username” and “Password” |
| **Wrap Up** | 1. Click “Login” button |

**Table 5.1: Verify Home Page Test Procedure**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-01-002 |
| **Objective** | Session Verification Main Flow |
| **Test Cases To Be Executed** | TC\_01\_002, TC\_01\_003, TC\_01\_004, TC\_01\_005, TC\_01\_006, |
| **Set Up** | 1. System displays main page.  2. User click ‘Login’ button.  3. System displays login pages.  4. User enter ‘username’ and ‘password’.  5. User click ‘Login’ button.  6. User choose action.  7. System displays choose action.  8. Perform chose action.  9. Logout |
| **Wrap Up** | None |

**Table 5.2 Session Verification Main Flow Test Procedure**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-01-003 |
| **Objective** | Session Verification Alternate Flow |
| **Test Cases To Be Executed** | TCOV-01-004, TCOV-01-005, TCOV-01-006 |
| **Set Up** | 1. User click ‘Reset’ button  2. User re-enter “username” and “password” |
| **Wrap Up** | None |

**Table 5.3: Session Verification Alternate Flow Test Procedure**

## 5.2 Order Foods and Drinks Document Control

**Document Control**

|  |  |
| --- | --- |
| **Document Name** | ROFS Test Case Specification |
| **Reference Number** | ROFS\_TSR |
| **Version** | 1.0.0 |
| **Project Code** | RTECH\_ROFS |
| **Status** | In-Use |
| **Date Released** | 25th of May, 2017 |

|  |  |  |
| --- | --- | --- |
| **Name** | **Position** | **Contact Number** |
| Prepared By*:*  FATIN ATHIRAH BINTI AZALAN | Test Manager  RTECH Sdn. Bhd. |  |
| Reviewed By:  NORAISYAH BT YAAKUB | Quality Assurance Team |  |

**Version History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Release Date** | **Section** | **Amendments** |
| 1.0.0 | 25/5/2017 | All | Original Document |

**Distribution List**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Version** | **Release Date** | **Contolled Copy No** | **Receipient Name** | **Department** | **Issue Date** | **Return Date** |
| 1.0.0 | 25/5/2017 | 01 |  | RTECH. QA Dept. | 25/5/2017 |  |
| 1.0.0 | 25/5/2017 | 02 |  | RTECH INC. Test Team | 25/5/2017 |  |
| 1.0.0 | 25/5/2017 | 03 |  | RTECH | 25/5/2017 |  |

**Session Verification Test Procedure**

Prior to execution of the following test procedures, these special requirements must be prepared:

1. ROFS for customer in “ON” state.
2. ROFS for customer in “Home” page.
3. Valid order.

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-02-001 |
| **Objective** | View Menu |
| **Test Cases To Be Executed** | TC\_02\_001 |
| **Set Up** | 1. Click “Menu” button |
| **Wrap Up** | 1. Click “Cancel” button |

**Table 5.2.1 Verify Home page Test Procedure**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-02-002 |
| **Objective** | Session Verification Main Flow |
| **Test Cases To Be Executed** | TC\_02\_002, TC\_02\_003, TC\_02\_004, TC\_02\_005, TC\_02\_006, TC\_02\_007, TC\_02\_009, TC\_02\_010 |
| **Set Up** | 1. System displays menu o food and drink.  2. User click ‘Order’ button.  3. System displays order pages.  4. User tick food and drinks.  5. User tick ‘Dine In’.  6. User click ‘Confirm’ button.  7. System displays list of order and total price. |
| **Wrap Up** | None |

**Table 5.2.2 Session Verification Main Flow Test Procedure**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-003 |
| **Objective** | Session Verification Alternate Flow |
| **Test Cases To Be Executed** | TCOV-02-008, TCOV-02-009 |
| **Set Up** | 1. User click ‘Reset’ button  2. User tick ‘Take Away’ |
| **Wrap Up** | None |

**Table 5.2.3 Session Verification Alternate Flow Test Procedure**

## 5.3 Update Status Order Document Control

**5.3.1 Introduction**

**5.3.1.1 Purpose**

This procedure describes the steps necessary to perform the test specified in the test design specification for ROFS. The procedure describes the execution of the test case described in Test Case Specification ROFS TCS\_1\_1.0.0.

For test design specification and test cases, please refer to the following documents:

i. ROFS Test Design Specification (ROFS \_TDS\_1\_1.0.0)

ii. ROFS \_TCS\_1\_1.0.0

**5.3.1.2 Scope**

The following features are covered in this procedure.

|  |  |  |  |
| --- | --- | --- | --- |
| Feature ID | Feature | Description | Accessible Role |
| F003 | Update Order Status | To allow waiter to update order status in the database | Waiter |

**5.3.1.3 References**

The following documents provide the test basis for this test design:

1. ROFS Software Requirement Specifications (ROFS \_SRS\_2.0)
2. The ROFS System Design Specifications (ROFS RFOS\_SDS\_2.0)

**5.3.2 Test Procedure**

**5.3.2.1 Session Verification Test Procedure**

Prior to execution of the following test procedures, these special requirements must be prepared:

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-001 |
| **Objective** | Session Verification Main Flow |
| **Test Cases To Be Executed** | TC-03-001 |
| **Set Up** | 1. Input “waiter” as username and “1234” as password  2. Press “Login”  3. System displays staff home page  4. Select view order page  5. System displays view order page  6. Select “Update”  7. System displays an update order status page  8. Insert “12” as table number and “waiting” as status  9. Press “Save”  10. System sends the information to customer's tablet  11. System displays view order page  12. Press “Logout” |
| **Wrap Up** | 1. Waiter logout from the system |

**Table 5.: Session Verification Main Flow**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-002 |
| **Objective** | Session verification alternate flow - Invalid username |
| **Test Cases To Be Executed** | TC-03-002 |
| **Set Up** | 1. Input “waiter1” as username and “1234” as password  2. System displays message “Invalid username. Please re-enter your username” |
| **Wrap Up** | 1. Waiter re-enter username |

**Table 5.: Session verification alternate flow - Invalid username**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-003 |
| **Objective** | Session verification alternate flow - Invalid password |
| **Test Cases To Be Executed** | TC-03-003 |
| **Set Up** | 1. Input “waiter” as username and “12345” as password  2. System displays message “Invalid password. Please re-enter your password” |
| **Wrap Up** | 1. Waiter re-enter password |

**Table 5.: Session verification alternate flow - Invalid password**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-004 |
| **Objective** | Session verification alternate flow - Invalid login 1-2 times |
| **Test Cases To Be Executed** | TC-03-004 |
| **Set Up** | 1. Input “waiter1” as username and “12345” as password  2. Input “waiter12” as username and “123456” as password  2. System displays message “Invalid login. Please re-enter your username and password” |
| **Wrap Up** | 1. Waiter re-enter username and password |

**Table 5.: Session verification alternate flow - Invalid login 1-2 times**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-005 |
| **Objective** | Session verification alternate flow - Invalid login 3 times |
| **Test Cases To Be Executed** | TC-03-005 |
| **Set Up** | 1. Input “waiter1” as username and “12345” as password  2. Input “waiter12” as username and “123456” as password  3. Input “waiter123” as username and “1234567” as password  4. System displays message “You had invalid login with exceed the limit. Please refer to your manager” |
| **Wrap Up** | 1. Waiter cannot login to the system until he/her refers to the manager |

**Table 5.: Session verification alternate flow - Invalid login 3 times**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-006 |
| **Objective** | Session verification alternate flow - Cancel during login |
| **Test Cases To Be Executed** | TC-03-006 |
| **Set Up** | 1. Input “waiter” as username and “1234” as password  2. Click “Cancel” during the login process is loading |
| **Wrap Up** | 1. System displays login page |

**Table 5.: Session verification alternate flow - Cancel during login**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-007 |
| **Objective** | Session verification alternate flow - Change order status |
| **Test Cases To Be Executed** | TC-03-007 |
| **Set Up** | 1. Insert “12” as table number and “done” as status  2. Press “Save”  3. System sends the information to customer's tablet  4. System displays view order page  5. Press “Logout” |
| **Wrap Up** | 1. Waiter logout from the system |

**Table 5.: Session verification alternate flow - Change order status**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-008 |
| **Objective** | Session verification alternate flow - Cancel during change order status |
| **Test Cases To Be Executed** | TC-03-008 |
| **Set Up** | 1. Insert “12” as table number and “done” as status  2. Press “Cancel”  3. System displays view order page |
| **Wrap Up** | 1. System displays view order page |

**Table 5.: Session verification alternate flow - Cancel during change order status**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-009 |
| **Objective** | Session verification alternate flow - Not response after change order status in 60 seconds |
| **Test Cases To Be Executed** | TC-03-009 |
| **Set Up** | 1. Stay at current page for 60 seconds  2. System will pop-up a message “RFOS will be logout in 60 seconds”  3. Click “OK”  4. System displays the current page |
| **Wrap Up** | 1. System displays the current page |

**Table 5.: Session verification alternate flow - Not response after change order status in 60 seconds**

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-03-010 |
| **Objective** | Session verification alternate flow - Not response after change order status in 5 minutes |
| **Test Cases To Be Executed** | TC-03-010 |
| **Set Up** | 1. Stay at current page for 5 minutes  2. System will be automatically logout  3. System displays message “Your session has been expired. Please login to continue”  4. Click “OK” |
| **Wrap Up** | 1. System displays login page |

**Table 5.: Session verification alternate flow - Not response after change order status in 5 minutes**

## 5.4 Payment Document Control

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **5.4.1 Purpose**  This procedure describes the steps necessary to perform the test specified in the test design specification for RFOS. The procedure describes the execution of the test case described in Test Case Specification RFOS\_TCS\_1\_1.0.0.  For test design specification and test cases, please refer to the following documents:  i. RFOS Test Design Specification (RFOS\_TDS\_1\_1.0.0)  ii. RFOS\_TCS\_1\_1.0.0  **5.4.1.2 Scope**  The following features are covered in this procedure.   |  |  |  |  | | --- | --- | --- | --- | | Feature ID | Feature | Description | Accessible Role | | F004 | Payment and | To allow cashier to make payment | Cashier | |

**5.4.1.3 References**

The following documents provide the test basis for this test design:

i. RFOS Software Requirement Specifications (RFOS\_SRS\_2.0)

**5.4.2 Session Verification Test Procedure**

Prior to execution of the following test procedures, these special requirements must be prepared:

1. RFOS for customer in “ON” state.
2. RFOS for customer in “Home” page.
3. Valid order.

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-04-001 |
| **Objective** | Verify staffID and Password |
| **Test Cases To Be Executed** | TC\_04\_001,TC\_04\_002, TC\_04\_003,TC\_04\_004 |
| **Set Up** | 1. input "AA00" and "123456" as staffID and Password  2. Press "Login" button to enter the system |
| **Wrap Up** | 1. Press "Login" button to enter the system |

Table 5.4.2.1 Verify Home page Test Procedure

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-04-002 |
| **Objective** | Session Verification Main Flow |
| **Test Cases To Be Executed** | TC\_04\_001,TC\_04\_002, TC\_04\_003, TC\_04\_004, TC\_04\_005, TC\_04\_006, TC\_04\_007, TC\_04\_008 TC\_04\_009 |
| **Set Up** | 1.Input "AA00" and "123456" as staffID and Password  2.Insert table number and click "search" button  3.Display customer payment  4.Click "update" button to update customer payment  5.Display update customer payment  6.Click "save" button  7.Display customer receipt  8.Click "delete order" button to delete customer order history |
| **Wrap Up** | None |

Table 5.4.2.2 Session Verification Main Flow Test Procedure

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-04-003 |
| **Objective** | Session verification alternate flow- incorrect staffID and password |
| **Test Cases To Be Executed** | TCOV-04-001,TC\_04\_002, TC\_04\_003,TC\_04\_004 |
| **Set Up** | 1.Cashier input incorrect staffID and password  2.System display error message invalid staffID and password and request for cashier to reenter StaffID and password  3.Back to main flow |
| **Wrap Up** | None |

Table5.4.2.3 Session Verification Alternate Flow Test Procedure

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-04-003 |
| **Objective** | Session verification alternate flow- not enough money |
| **Test Cases To Be Executed** | TCOV-04-001,TCOV-040002,TCOV-04-003,TCOV-04-004, TCOV-04-005,TC\_04\_006\_TC\_04\_007 |
| **Set Up** | 1.Input "AA00" and "123456" as staffID and Password  2.Insert table number and click "search" button  3.Display customer payment  4.Click "update" button to update customer payment  5.Display update customer payment  6.Customer do not have enough money  7.Cashier cannot proceed the payment  8.Back to main flow |
| **Wrap Up** | None |

Table 5.4.2.4 Session Verification Alternate Flow Test Procedure

## 5.5 Manage Menu Document Control

**5.5.1 Introduction**

**5.5.1.1 Purpose**

This procedure describes the steps necessary to perform the test specified in the test design specification for ROFS. The procedure describes the execution of the test case described in Test Case Specification ROFS \_TCS\_1\_1.0.0.

For test design specification and test cases, please refer to the following documents:

i. ROFS Test Design Specification (ROFS \_TDS\_1\_1.0.0)

ii. ROFS \_TCS\_1\_1.0.0

**5.5.1.2 Scope**

The following features are covered in this procedure.

|  |  |  |  |
| --- | --- | --- | --- |
| Feature ID | Feature | Description | Accessible Role |
| F005 | Manage Menu | To allow manager to manage menu | Manager |

**5.5.1.3 References**

The following documents provide the test basis for this test design:

i. ROFS Software Requirement Specifications (ROFS \_SRS\_2.0)

**5.5.2 Test Procedure**

**5.5.2.1 Session Verification Test Procedure**

Prior to execution of the following test procedures, these special requirements must be prepared:

1. ROFS for manager in “ON” state.
2. ROFS for manager in “Home” page.
3. Valid update menu.

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-05-001 |
| **Objective** | Manage menu |
| **Test Cases To Be Executed** | TC\_05\_001 |
| **Set Up** | 1. Click “Select” button |
| **Wrap Up** | 1. Click “View” button |

Table 5.: Verify Home page Test Procedure

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-05-002 |
| **Objective** | Session Verification Main Flow |
| **Test Cases To Be Executed** | TC\_05\_002, TC\_05\_003, TC\_05\_004, TC\_05\_005, TC\_05\_006, TC\_05\_007, TC\_05\_009, TC\_05\_010 |
| **Set Up** | 1. System displays manager homepage.  2. Manager click ‘Select’ button.  3. System displays Manage Menu pages.  4. Manager click ‘Update’ button.  5. System display Menu page.  6. Manager update the menu.  7. Manager click ‘Save’ button.  8. Manager click ‘View’ button. |
| **Wrap Up** | None |

Table 5.: Session Verification Main Flow Test Procedure

|  |  |
| --- | --- |
| **Test Procedure ID** | TP-05-003 |
| **Objective** | Session Verification Alternate Flow |
| **Test Cases To Be Executed** | TCOV-05-008, TCOV-05-009 |
| **Set Up** | 1. Manager click ‘Delete’ menu button. 2. Manager click ‘Save’ button |
| **Wrap Up** | None |

Table 5.: Session Verification Alternate Flow Test Procedure

## 5.6 Generate Bill Control

# 6.0 Test Log

## 6.1 Login and Registration Document Control

**TEST LOG**

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Log Scope | This test log covered Login (F001) as described in Test Plan, ROFS\_TP\_1.0.0 | | |
| Test Log Description | This item tested was the Login feature in ROFS 2.1. This test log records the execution of test procedure (ROFS \_TPS\_1.0.0) | | |
| Version Author | Tester 2 | Contact Number |  |
| Revision Version | 1.0 | People Responsible | Tester 2 |
| Tester 3 |
| Tester 4 |
|  |
| Activities Execution Information | | | |
| Execution Start Date | 24/5/201 | End Date | 24/5/2017 |
| Execution Start Time | 0900 | End Time | 1600 |
| Tester Name |  | | |
| Participant | - | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Design ID | Test Case ID | | Test Procedure ID | | Type of Testing | Tool | Pass/  Fail | Test Incident Report ID/Test Incident ID | Remark |
| TDS 2.1.1.1  TDS 2.1.1.2  TDS 2.1.1.3 | TC\_01\_001 | | TP\_01\_001 | | Functional | Manual | Pass  Pass  Pass  Pass  Pass  Pass | RFOS\_TIR\_1.0/TIR-02-001  -  -  -  -  - | Screen froze after pressing "MENU"  -  -  -  -  - |
| TC\_01\_002 | |
| TC\_01\_003 | |
| TC\_01\_004 | |
| TC\_01\_005 | |
| TC\_01\_006 | |
|
|
|
| Test Environment After Change | | | | | |
| No change | | | | | |
| Unexpected event occured | | Test Procedure ID | | Anomaly Reporter Name | |
| Screen froze after pressing “login” button | | TP\_01\_001 | | Tester 2 | |

## 6.2 Order Foods and Drinks Document Control

**Document Control**

|  |  |
| --- | --- |
| **Document Name** | ROFS Test Case Specification |
| **Reference Number** | ROFS\_TL |
| **Version** | 1.0.0 |
| **Project Code** | RTECH\_ROFS |
| **Status** | In-Use |
| **Date Released** | 24th of May, 2017 |

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| --- | --- | --- |
| **Name** | **Position** | **Contact Number** |
| Prepared By*:*  FATIN ATHIRAH BINTI AZALAN | Test Manager  RTECH Sdn Bhd |  |
| Reviewed By:  SYAFIQA AFIRA BINTI ABDUL RAHMAN | Quality Assurance Team |  |

**Version History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Release Date** | **Section** | **Amendments** |
| 1.0.0 | 24/5/2017 | All | Original Document |

**Distribution List**

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| --- | --- | --- | --- | --- | --- | --- |
| **Version** | **Release Date** | **Contolled Copy No** | **Receipient Name** | **Department** | **Issue Date** | **Return Date** |
| 1.0.0 | 14/5/2017 | 01 |  | RTECH QA Dept. | 24/5/2017 |  |
| 1.0.0 | 24/5/2017 | 02 |  | RTECH Test Team | 24/5/2017 |  |
| 1.0.0 | 24/5/2017 | 03 |  | RTECH | 24/5/2017 |  |

**TEST LOG**

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Log Scope | This test log covered Order Food and Drink (F002) as described in Test Plan, ROFS\_TP\_1.0.0 | | |
| Test Log Description | This item tested was the Order Food and Drink feature in ROFS 1.0. This test log records the execution of test procedure (ROFS \_TPS\_1.0.0) | | |
| Version Author | Tester 2 | Contact Number |  |
| Revision Version | 1.0 | People Responsible | Tester 1 |
| Tester 3 |
| Tester 4 |
| Tester 5 |
| Activities Execution Information | | | |
| Execution Start Date | 24/5/2017 | End Date | 24/5/2017 |
| Execution Start Time | 0900 | End Time | 1600 |
| Tester Name | Fatin Athirah binti Azalan | | |
| Participant | - | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Design ID | Test Case ID | | Test Procedure ID | | Type of Testing | Tool | Pass/  Fail | Test Incident Report ID/Test Incident ID | Remark |
| TDS 2.1.1.1  TDS 2.1.1.2  TDS 2.1.1.3 | TC\_02\_001 | | TP\_02\_001 | | Functional | Manual | Pass  Pass  Pass  Pass  Pass  Pass  Pass  Pass  Pass  Pass | RFOS\_TIR\_1.0/TIR-02-001  -  -  -  -  -  -  -  -  - | Screen froze after pressing "MENU"  -  -  -  -  -  -  -  -  - |
| TC\_02\_002 | |
| TC\_02\_003 | |
| TC\_02\_004 | |
| TC\_02\_005 | |
| TC\_02\_006 | |
| TC\_02\_007 | |
| TC\_02\_008 | |
| TC\_02\_009 | |
| TC\_02\_010 | |
| Test Environment After Change | | | | | |
| No change | | | | | |  | |
|  | | | | | |  | |
| Unexpected event occured | | Test Procedure ID | | Anomaly Reporter Name | |
| Screen froze after pressing “menu” button | | TP\_02\_001 | | Tester 2 | |

## 6.3 Update Status Order Document Control

TEST LOG

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Log Scope | This test log covered Update Order Status (F003) as described in Test Plan, ROFS \_TP\_1.0.0 | | |
| Test Log Description | This item tested was the update order status feature in ROFS 1.1. This test log records the execution of test procedure (ROFS \_TPS\_1.0.0) | | |
| Version Author | Fatin Athirah binti Azalan | Contact Number |  |
| Revision Version | 1.0 | People Responsible | Tester 1 |
| Tester 2 |
| Tester 3 |
|  |
| Activities Execution Information | | | |
| Execution Start Date | 13/12/16 | End Date | 13/12/16 |
| Execution Start Time | 0900 | End Time | 1600 |
| Tester Name | Tester 1 | | |
| Participant | - | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Procedure Result | | | | | | | | | |
| Test Design ID | Test Case ID | Test Procedure ID | Type of Testing | Tool | Pass/Fail | | Test Incident Report ID/Test Incident ID | | Remark |
| TDS 2.2.1 & TDS 2.2.2 | TC\_03\_001 | TP\_03\_001 | Functional | Manual | Pass | | - | | - |
| TC\_03\_002 | TP\_03\_002 | Functional | Manual | Pass | | - | | - |
| TC\_03\_003 | TP\_03\_003 | Functional | Manual | Pass | | - | | - |
| TC\_03\_004 | TP\_03\_004 | Functional | Manual | Pass | | - | | - |
| TC\_03\_005 | TP\_03\_005 | Functional | Manual | Pass | | - | | - |
| TC\_03\_006 | TP\_03\_006 | Functional | Manual | Pass | | - | | - |
| TC\_03\_007 | TP\_03\_007 | Functional | Manual | Pass | | - | | - |
| TC\_03\_008 | TP\_03\_008 | Functional | Manual | Pass | | - | | - |
| TC\_03\_009 | TP\_03\_009 | Functional | Manual | Pass | | - | | - |
| TC\_03\_010 | TP\_03\_010 | Functional | Manual | Fail | | RFOS\_TIR\_1.0.0/ TIR\_03\_001 | | System continues to wait for waiter response for more than 5 minutes |
| Environment Information | | | | | | | | | |
| Requested Test Environment | | | | | | Test Environment After Changes | | | |
| Hardware : Microsoft Surface Pro  Windows 8  Intel Core i5 Processor  Reference: RFOS\_TP\_1.0.0 | | | | | | No change | | | |
| Anomalous Event | | | | | | | | | |
| Unexpected event occurred | | | | | | Test Procedure ID | | Anomaly Reporter Name | |
| System does not perform any action and does display error message “Invalid password. Please re-enter your password”. | | | | | | TP-03-003 | | Tester 1 | |

## Payment Document Control

|  |  |
| --- | --- |
| **Document Name** | RFOS Test Case Specification |
| **Reference Number** | RFOS\_TL |
| **Version** | 1.0.0 |
| **Project Code** | NKMM\_RFOS |
| **Status** | In-Use |
| **Date Released** | 13th of December, 2016 |

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| --- | --- | --- |
| **Name** | **Position** | **Contact Number** |
| Prepared By*:*  NORAISYAH BINTI YAAKUB | Test Manager  RTECH Sdn. Bhd. |  |
| Reviewed By:  FATIN ATHIRAH BINTI AZALAN | Quality Assurance Team |  |

**Version History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Release Date** | **Section** | **Amendments** |
| 1.0.0 | 13/12/2016 | All | Original Document |

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| **Version** | **Release Date** | **Contolled Copy No** | **Receipient Name** | **Department** | **Issue Date** | **Return Date** |
| 1.0.0 | 13/12/2016 | 01 |  | RTECH Sdn. Bhd. QA Dept. | 13/12/2016 |  |
| 1.0.0 | 13/12/2016 | 02 |  | RTECH Sdn. Bhd. Test Team | 13/12/2016 |  |
| 1.0.0 | 13/12/2016 | 03 |  | NKMM | 13/12/2016 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Log Scope | This test log covered Payment (F004) as described in Test Plan, RFOS\_TP\_1.0.0 | | |
| Test Log Description | This item tested was the payment feature in RFOS 2.1. This test log records the execution of test procedure (RFOS\_TPS\_1.0.0) | | |
| Version Author | Tester 2 | Contact Number |  |
| Revision Version | 1.0 | People Responsible | Tester 2 |
| Tester 3 |
| Tester 4 |
|  |
| Activities Execution Information | | | |
| Execution Start Date | 23/11/16 | End Date | 23/11/16 |
| Execution Start Time | 0900 | End Time | 1600 |
| Tester Name | NORAISYAH BINTI YAAKUB | | |
| Participant | - | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Design ID | Test Case ID | | Test Procedure ID | | | Type of Testing | | Tool | | Pass/  Fail | Test Incident Report ID/Test Incident ID | | Remark | |
| TDS 2.1.1.1  TDS 2.1.1.2  TDS 2.1.1.3 | TC\_04\_001 | | TP\_02\_001 | | | Functional | | Manual | | Pass  Pass  Pass  Pass  Pass  Pass  Pass    Pass  Pass  Pass | RFOS\_TIR\_1.0/TIR-02-001  -  -  -  -  -  -  -  -  - | | System does not perform any action and does display error message "staffID and password was incorrect. Please re-enter your staffID and password.  -  -  -  -  -  -  -  -  - | |
| TC\_04\_002 | |
| TC\_04\_003 | |
| TC\_04\_004 | |
| TC\_04\_005 | |
| TC\_04\_006 | |
| TC\_04\_007 | |
| TC\_04\_008 | |
| TC\_04\_009 | |
|  | |
|  | | |  | | |  |  |  | | |  | |
| TC\_04\_003  TC\_04\_004  TC\_04\_005 | | |  | | |  |  |  | | |  | |
|
|
| Test Environment After Change | | | | | | | | TC\_04\_006  TC\_04\_007  TC\_04  \_008  TC\_04\_009 | |
| No change | | | | | | | |  | | |
|  | | | | | | | |  | | |
| Unexpected event occured | | Test Procedure ID | | | Anomaly Reporter Name | | |
| System does not perform any action and does display error message "staffID and password was incorrect. Please re-enter your staffID and password. | | TP\_04\_001 | | | Tester 2 | | |

## 6.5 Manage Menu Document Control

TEST LOG

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Log Scope | This test log covered Manage Menu (F005) as described in Test Plan, ROFS \_TP\_1.0.0 | | |
| Test Log Description | This item tested was the Manage Menu feature in ROFS 2.1. This test log records the execution of test procedure (ROFS \_TPS\_1.0.0) | | |
| Version Author | Tester 2 | Contact Number |  |
| Revision Version | 1.0 | People Responsible | Tester 2 |
| Tester 3 |
| Tester 4 |
|  |
| Activities Execution Information | | | |
| Execution Start Date | 23/11/16 | End Date | 23/11/16 |
| Execution Start Time | 1000 | End Time | 1500 |
| Tester Name | Fatin Athirah binti Azalan | | |
| Participant | - | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Design ID | Test Case ID | | Test Procedure ID | | Type of Testing | Tool | Pass/  Fail | Test Incident Report ID/Test Incident ID | Remark |
| TDS 2.1.1.1  TDS 2.1.1.2  TDS 2.1.1.3 | TC\_05\_001 | | TP\_05\_001 | | Functional | Manual | Pass  Pass  Pass  Pass  Pass  Pass  Pass  Pass  Pass  Pass | RFOS\_TIR\_1.0/TIR-05-001  -  -  -  -  -  -  -  -  - | Screen froze after pressing "SELECT"  -  -  -  -  -  -  -  -  - |
| TC\_05\_002 | |
| TC\_05\_003 | |
| TC\_05\_004 | |
| TC\_05\_005 | |
| TC\_05\_006 | |
| TC\_05\_007 | |
| TC\_05\_008 | |
| TC\_05\_009 | |
| TC\_05\_010 | |
| Test Environment After Change | | | | | |
| No change | | | | | |  | |
|  | | | | | |  | |
| Unexpected event occured | | Test Procedure ID | | Anomaly Reporter Name | |
| Screen froze after pressing "SELECT" | | TP\_05\_001 | | Tester 2 | |

## 6.6 Generate Bill Control

# 7.0 Test Summary Report

## 7.1 Login and Registration Document Control

**TEST SUMMARY REPORT**

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Report Description | This test summary report will provide a summary of the findings based on test log, test incident report | | |
| Version Author | Syafiqa afira binti abdul rahman | Contact Number | - |
| Associated test plan reference | ROFS\_TP\_1.0.0 | | |

|  |
| --- |
| Summary |
| Test Status Report Summary |
| The status of the test are as follow:   |  |  |  | | --- | --- | --- | | **Number of Test Cases Planned to be Completed** | **Number of Test Cases Remaining to be Executed** | **Number of Test Cases Completed** | | 10 | 0 | 10 |   Current status of the Test Incident Report are as follow:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **New (new incidents introduced in current iteration)** | **Open (Incidents discovered from previous test iteration that are still pending to be resolved)** | **Reject (Incidents that were rejected after investigation because it cannot be categorised as incident)** | **Resolved (Incidents that have been confirmed resolved)** | **Deferred (Incidents that have been deferred. Incidents are confirmed to be fixed for the next release version)** | | Number of new incident = 1 | Number of open incident = 0 | Number of rejected incident = 0 | Number of resolved incident = 1 | Number of deferred incident = 0 | |
|  |
| Document references |
| ROFS\_TP\_1.0.0  ROFS \_TDS\_1.0.0  ROFS \_TCS\_1.0.0  ROFS \_TPS\_1.0.0  ROFS RFOS \_TTR\_1.0.0  ROFS \_TL\_1.0.0  ROFS \_TIR\_1.0.0 |
|  |
| Changes from Plans |
| There has been no change from plan and the test has completed successfully. |
|  |
| Comprehensiveness assessment |
| All |
|  |
| Result Summary |
| The items tested was the transfer feature in ROFS 2.1. The tests were conducted on an ROFS provided by the client.  10 test cases have been planned and executed.  1 minor incident found in this iteration contain suggestive correction to the developer.  100% of the incidents fixes have been deferred until next release. |
|  |
| Rationale for Decisions |
| Due to existence of open defects at the end of the iteration, the test team highly suggest that those defects are fixed prior to release. Existence of fatal defects signifies high product risk. |
|  |
| Conclusion and Recommendation Based on Test Result |
| The current version of product is not fit for release until defects are fixed.  A more thorough logic check on the system may lessen similar defects in the future. |

|  |  |  |
| --- | --- | --- |
| Approvals | | |
| Name | Job Title | Approved |
|  | Test Lead |  |
|  | Quality Assurance Team |  |
|  | Test Manager |  |
| MR ABD RAHMAN | Project Manager |  |

## 7.2 Order Foods and Drinks Document Control

**Document Control**

|  |  |
| --- | --- |
| **Document Name** | ROFS Test Case Specification |
| **Reference Number** | ROFS\_TIR |
| **Version** | 1.0.0 |
| **Project Code** | RTECH\_ROFS |
| **Status** | In-Use |
| **Date Released** | 24th of May, 2017 |

|  |  |  |
| --- | --- | --- |
| **Name** | **Position** | **Contact Number** |
| Prepared By*:*  FATIN ATHIRAH BINTI AZALAN | Test Manager  RTECH Sdn Bhd |  |
| Reviewed By:  NORAISYAH BT YAAKUB | Quality Assurance Team |  |

**Version History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Release Date** | **Section** | **Amendments** |
| 1.0.0 | 24/5/2017 | All | Original Document |

**Distribution List**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Version** | **Release Date** | **Contolled Copy No** | **Receipient Name** | **Department** | **Issue Date** | **Return Date** |
| 1.0.0 | 24/5/2017 | 01 |  | RTECH QA Dept. | 24/5/2017 |  |
| 1.0.0 | 24/5/2017 | 02 |  | RTECH Test Team | 24/5/2017 |  |
| 1.0.0 | 24/5/2017 | 03 |  | RTECH | 24/5/2017 |  |

**TEST INCIDENT REPORT**

|  |  |
| --- | --- |
| Incident report identifier | |
| Scope | The scope of this incident report is on any incident occurred based on test procedure executed on ROFS and Order Food and Drink (F002) in which took place during test execution only. |
| References | ROFS\_TPS\_1\_1.0.0 |

|  |  |  |
| --- | --- | --- |
| Test Incident Number: | | TIR-00-001 |
| Summary | | |
| User can maintain a session indefinitely without performing any transaction, which causes a security issue. | | |
| Date and Time Incident: | | 24/5/17 |
| Context: | | ROFS \_2.1 |
| Description of Incident | | |
| Test Procedure: | Incident applies to all transaction type | |
| Test Data: | None. | |
| Expected Result: | System displays a message to ask if user needs more time to perform current transaction after 30 seconds without response from user. | |
| Actual Result: | System continues to wait for user response for more than 1 minute. | |
| Unexpected Outcome: | None. | |
| Procedure to reproduce the incident | 1. Click ‘Confirm’ button  3. Wait for 61 seconds | |
| Test Environment | Hardware model: CINEO C2040  Manufacturer: Wincor Nixdorf  Keyboard: EPP V6  Card Processor: Hybrid Motorized | |
| Attempt to repeat | Procedure is repeated 3 times. | |
| Tester’s Name | Fatin Athirah binti Azalan | |
| Observer’s Name (witness) |  | |
| Status of Incident | | |
| Open Assigned for Resolution Retested with the fix confirmed  Approved for Resolution Fixed | | |
| Impact | | |
| Mission Critical : Application will not function or system fails  Major : Severe problems but possible to work around  Minor : Does not impact the functionality or usability of the process is not according to requirements/design specifications | | |
| Priority | | |
| Immediate : Must be fixed as soon as possible  Delayed : System is unstable but incident must be fixed prior to next level of test or shipment  Deferred : Defect can be left in if necessary due to time or costs | | |
| Description of the corrective action | | |
| Client should consider this issue from the aspect of security and decide whether to amend this issue. | | |

|  |  |  |
| --- | --- | --- |
| Conclusions and Recommendations | | |
| It is recommended that this incident be fixed as soon as possible as the user need to go through this first module before moving on to the next module. | | |
| Approvals | | |
| Name | Job Title | Signature |
| Fatin Athirahbt Azalan | Test Lead |  |
| Mr AbdRahman | Product Manager |  |

## 7.3 Update Status Order Document Control

**TEST SUMMARY REPORT**

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Report Description | This test summary report will provide a summary of the findings based on test log, test incident report | | |
| Version Author |  | Contact Number |  |
| Associated test plan reference | ROFS\_TP\_1.0.0 | | |

|  |
| --- |
| Summary |
| Test Status Report Summary |
| The status of the test are as follow:   |  |  |  | | --- | --- | --- | | **Number of Test Cases Planned to be Completed** | **Number of Test Cases Remaining to be Executed** | **Number of Test Cases Completed** | | 10 | 0 | 10 |   Current status of the Test Incident Report are as follow:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **New (new incidents introduced in current iteration)** | **Open (Incidents discovered from previous test iteration that are still pending to be resolved)** | **Reject (Incidents that were rejected after investigation because it cannot be categorised as incident)** | **Resolved (Incidents that have been confirmed resolved)** | **Deferred (Incidents that have been deferred. Incidents are confirmed to be fixed for the next release version)** | | Number of new incident = 1 | Number of open incident = 0 | Number of rejected incident = 0 | Number of resolved incident = 1 | Number of deferred incident = 0 | |
|  |
| Document references |
| ROFS\_TP\_1.0.0  ROFS \_TDS\_1.0.0  ROFS \_TCS\_1.0.0  ROFS \_TPS\_1.0.0  ROFS \_TTR\_1.0.0  ROFS \_TL\_1.0.0  ROFS \_TIR\_1.0.0 |
|  |
| Changes from Plans |
| There has been no change from plan and the test has completed successfully. |
|  |
| Comprehensiveness assessment |
| All |
|  |
| Result Summary |
| The item tested was the update order status feature in ROFS RFOS 1.1. The tests were conducted on a monitor provided by the client.  10 test cases have been planned and executed.  1 minor incident found in this iteration contains suggestive correction to the developer.  100% of the incidents fixes have been deferred until next release. |
|  |
| Rationale for Decisions |
| Due to existence of open defects at the end of the iteration, the test team highly suggest that those defects are fixed prior to release. Existence of fatal defects signifies high product risk. |
|  |
| Conclusion and Recommendation Based on Test Result |
| The current version of product is not fit for release until defects are fixed.  A more thorough logic check on the system may lessen similar defects in the future. |

|  |  |  |
| --- | --- | --- |
| Approvals | | |
| Name | Job Title | Approved |

|  |  |  |
| --- | --- | --- |
| Fatin Athirah binti Azalan | Test Lead |  |
| Wan Noorafirah binti Wan Ramli | Quality Assurance Team |  |
| Noraisyah binti Yaakub | Test Manager |  |
| MR ABD RAHMAN | Project Manager |  |

## 7.4 Payment Document Controls

|  |  |
| --- | --- |
| **Document Name** | RFOS Test Case Specification |
| **Reference Number** | RFOS\_TSR |
| **Version** | 1.0.0 |
| **Project Code** | NKMM\_RFOS |
| **Status** | In-Use |
| **Date Released** | 14th of December, 2016 |

|  |  |  |
| --- | --- | --- |
| **Name** | **Position** | **Contact Number** |
| Prepared By*:*  NORAISYAH BINTI YAAKUB | Test Manager  RTECH Sdn Bhd |  |
| Reviewed By: SYAFIQA AFIRA BINTI ABDUL RAHMAN | Quality Assurance Team |  |

**Version History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Release Date** | **Section** | **Amendments** |
| 1.0.0 | 14/12/2016 | All | Original Document |

**Distribution List**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Version** | **Release Date** | **Contolled Copy No** | **Receipient Name** | **Department** | **Issue Date** | **Return Date** |
| 1.0.0 | 14/12/2016 | 01 |  | RTECH Sdn Bhd QA Dept. | 14/12/2016 |  |
| 1.0.0 | 14/12/2016 | 02 |  | RTECH Sdn Bhd Test Team | 14/12/2016 |  |
| 1.0.0 | 14/12/2016 | 03 |  | NKMM | 14/12/2016 |  |

**TEST SUMMARY REPORT**

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Report Description | This test summary report will provide a summary of the findings based on test log, test incident report | | |
| Version Author | Noraisyah binti Yaakub | Contact Number | - |
| Associated test plan reference | RFOS\_TP\_1.0.0 | | |

|  |
| --- |
| Summary |
| Test Status Report Summary |
| The status of the test are as follow:   |  |  |  | | --- | --- | --- | | **Number of Test Cases Planned to be Completed** | **Number of Test Cases Remaining to be Executed** | **Number of Test Cases Completed** | | 10 | 0 | 10 |   Current status of the Test Incident Report are as follow:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **New (new incidents introduced in current iteration)** | **Open (Incidents discovered from previous test iteration that are still pending to be resolved)** | **Reject (Incidents that were rejected after investigation because it cannot be categorised as incident)** | **Resolved (Incidents that have been confirmed resolved)** | **Deferred (Incidents that have been deferred. Incidents are confirmed to be fixed for the next release version)** | | Number of new incident = 1 | Number of open incident = 0 | Number of rejected incident = 0 | Number of resolved incident = 1 | Number of deferred incident = 0 | |
|  |
| Document references |
| RFOS\_TP\_1.0.0  RFOS \_TDS\_1.0.0  RFOS \_TCS\_1.0.0  RFOS \_TPS\_1.0.0  RFOS \_TTR\_1.0.0  RFOS \_TL\_1.0.0  RFOS \_TIR\_1.0.0 |
|  |

## 7.5 Manage Menu Document Control

**TEST SUMMARY REPORT**

|  |  |  |  |
| --- | --- | --- | --- |
| General Information | | | |
| Test Report Description | This test summary report will provide a summary of the findings based on test log, test incident report | | |
| Version Author |  | Contact Number | - |
| Associated test plan reference | ROFS \_TP\_1.0.0 | | |

|  |
| --- |
| Summary |
| Test Status Report Summary |
| The status of the test are as follow:   |  |  |  | | --- | --- | --- | | **Number of Test Cases Planned to be Completed** | **Number of Test Cases Remaining to be Executed** | **Number of Test Cases Completed** | | 10 | 0 | 10 |   Current status of the Test Incident Report are as follow:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **New (new incidents introduced in current iteration)** | **Open (Incidents discovered from previous test iteration that are still pending to be resolved)** | **Reject (Incidents that were rejected after investigation because it cannot be categorised as incident)** | **Resolved (Incidents that have been confirmed resolved)** | **Deferred (Incidents that have been deferred. Incidents are confirmed to be fixed for the next release version)** | | Number of new incident = 1 | Number of open incident = 0 | Number of rejected incident = 0 | Number of resolved incident = 1 | Number of deferred incident = 0 | |
|  |
| Document references |
| ROFS RFOS\_TP\_1.0.0  ROFS \_TDS\_1.0.0  ROFS \_TCS\_1.0.0  ROFS \_TPS\_1.0.0  ROFS \_TTR\_1.0.0  ROFS \_TL\_1.0.0  ROFS \_TIR\_1.0.0 |
|  |
| Changes from Plans |
| There has been no change from plan and the test has completed successfully. |
|  |
| Comprehensiveness assessment |
| All |
|  |
| Result Summary |
| The items tested was the transfer feature in ROFS 2.1. The tests were conducted on an ROFS provided by the client.  10 test cases have been planned and executed.  1 minor incident found in this iteration contain suggestive correction to the developer.  100% of the incidents fixes have been deferred until next release. |
|  |
| Rationale for Decisions |
| Due to existence of open defects at the end of the iteration, the test team highly suggest that those defects are fixed prior to release. Existence of fatal defects signifies high product risk. |
|  |
| Conclusion and Recommendation Based on Test Result |
| The current version of product is not fit for release until defects are fixed.  A more thorough logic check on the system may lessen similar defects in the future. |

|  |  |  |
| --- | --- | --- |
| Approvals | | |
| thirName | Job Title | Approved |
| Fatin Athirah binti Azalan | Test Lead |  |
| Wan Noorafirah binti Wan Ramli | Quality Assurance Team |  |
| Noraisyah binti Yaakub | Test Manager |  |
| MR ABD RAHMAN | Project Manager |  |

## 7.6 Generate Bill Control