

SOFTWARE TESTING AND MAINTENANCE
DOCUMENT

For

[RTECH ORDERING FOOD
SYSTEM]

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1.0 INTRODUCTION

1.1 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.

1.2 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.



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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



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2.0 ROFS Test Plan

2.1 Test Item

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

- i. ROFS System Requirement Specification (SRS)
- ii. 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



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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.



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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



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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



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2.10 Planned Activity and Tasks

No	Task	Activities	Date
1	Test Planning and Control	<ul style="list-style-type: none"> Requirement view Identify risk, staffing and scheduling Documenting test plan Technical review Submission and approval of test plan 	
2	Test Analysis and Design	<ul style="list-style-type: none"> Analyse product Develop test design specification Prepare test case specification 	
3	Test Environment	<ul style="list-style-type: none"> Setup ROFS Identify and acquired test data 	
4	Test Implementation and Execution	<ul style="list-style-type: none"> Prepare test procedure specification Perform functional test Record test result Analyse test result 	
5	Documenting Test	<ul style="list-style-type: none"> Summarize test result 	
6	Documenting Test Closure	<ul style="list-style-type: none"> Collecting test process data 	
7	Test Complete	<ul style="list-style-type: none"> Delivery product to client 	



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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



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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



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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

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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
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TCON-01-001	Main Flow	TCOV-01-001	Main Flow	Valid username, valid password
TCON-01-002	Alternate Flow 1 (Invalid Username or Password)	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

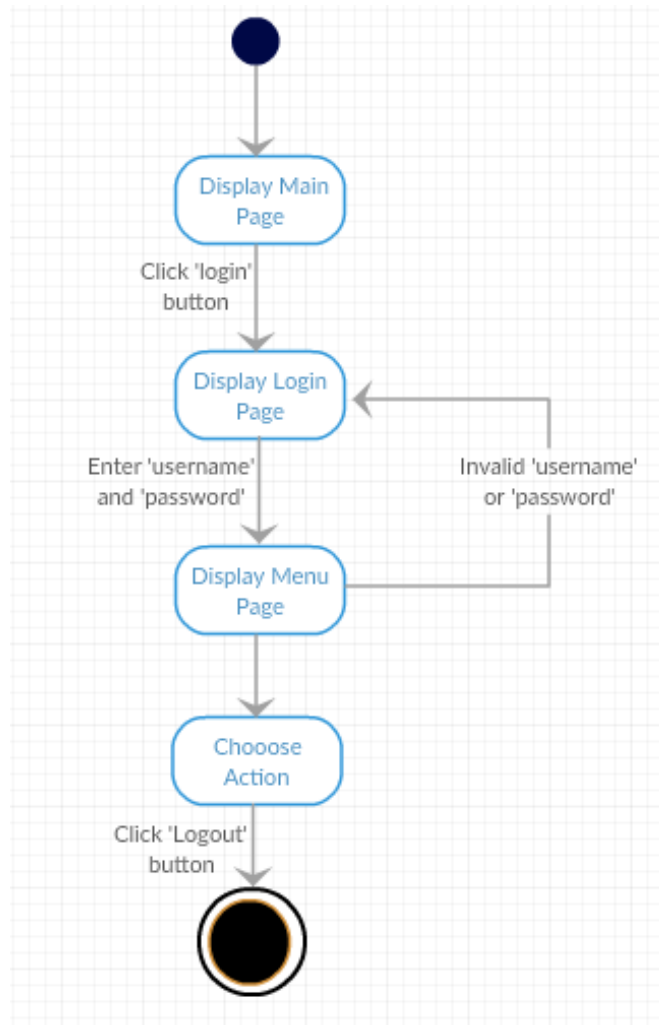


Figure 3.1.2 Session Verification State Transition Diagram



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The test condition for state transition testing is as follows:

i. 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



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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



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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



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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



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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



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3.2.2.3 State transtition Testing

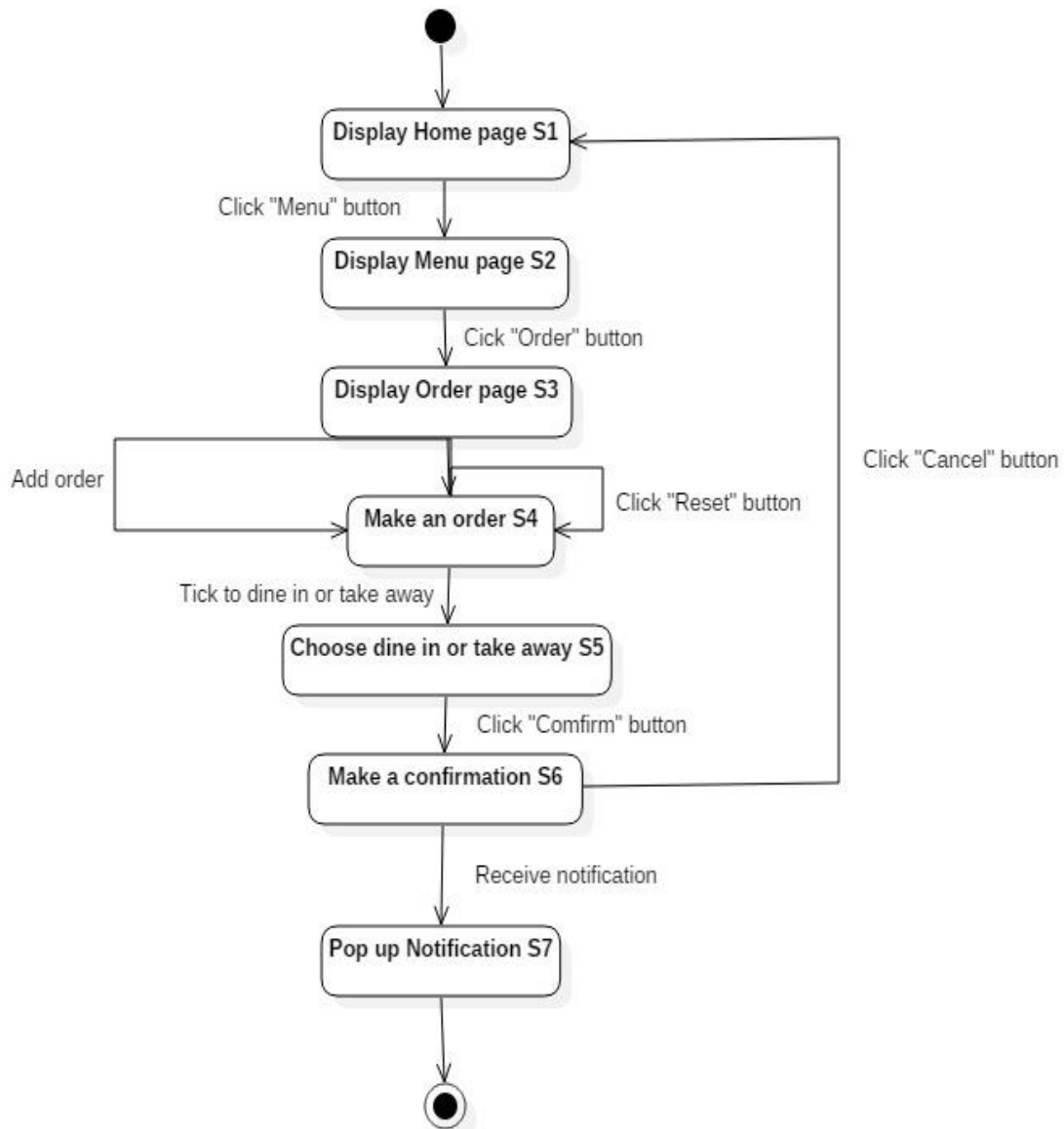


Figure 3.2.2.3 Session Verification State Transition Diagram



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The test condition for state transition testing is as follows:

ii. 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



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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



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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:



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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



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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



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3.4.2.3 State transtition Testing

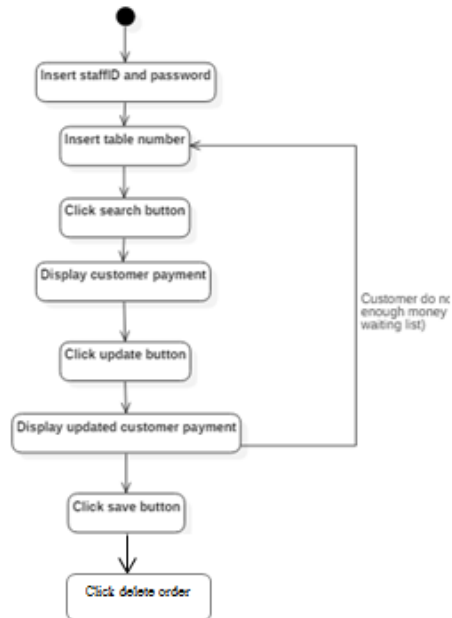


Figure 3.4.2.3 Session Verification State Transition Diagram

The test condition for state transition testing is as follows:

- i. 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



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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



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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

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

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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



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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



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3.5.2.2 State transtition Testing

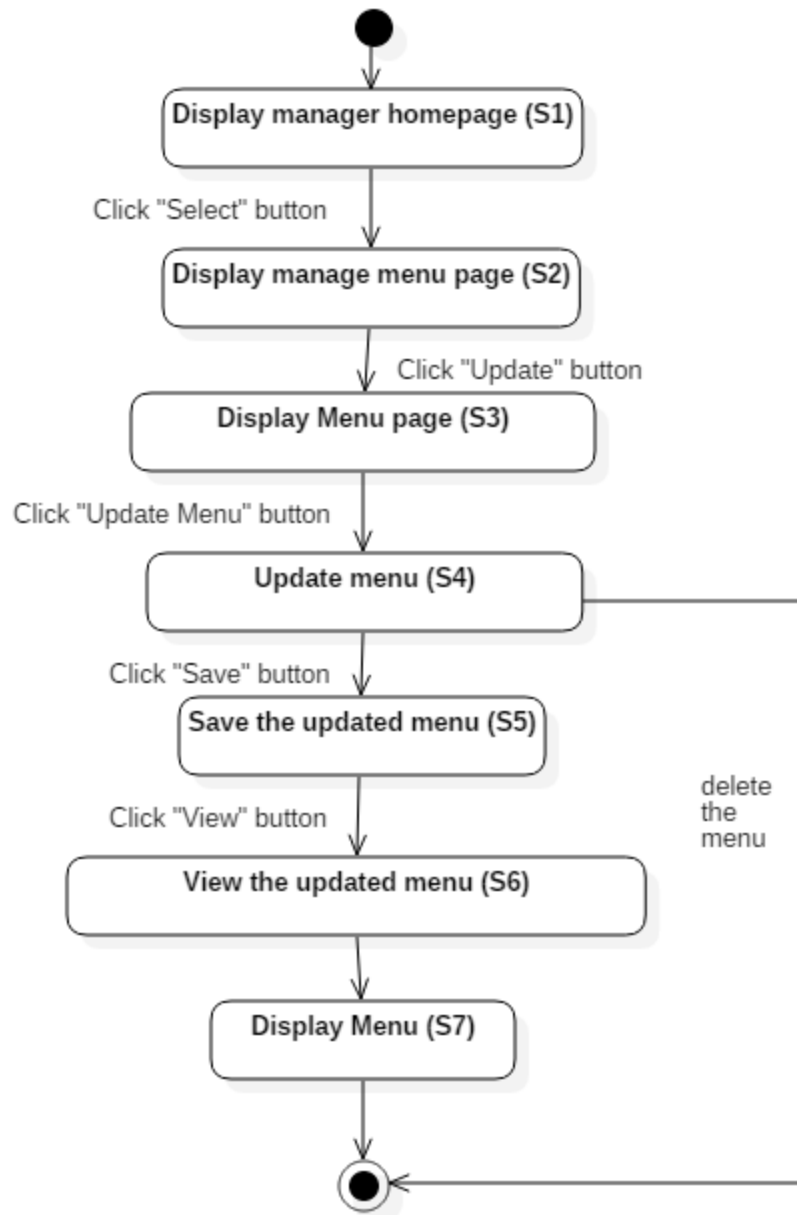


Figure 3.5.2.2 Session Verification State Transition Diagram



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The test condition for state transition testing is as follows:

i. 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



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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



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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

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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



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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



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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	25 th 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	



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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



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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



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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



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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



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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



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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



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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

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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	Inter-case 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	Inter-case 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



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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



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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



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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



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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



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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	4. Family Set 5. Ala Carte-Prawn 6. IceLemonTea	4. 3 5. 1 6. 3	DineIn	RM 109.90
03	Valid	3. Family Set 4. Coffee	3. 4 4. 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.

i. Session Verification

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



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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



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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



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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



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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	7. Family Set 8. Ala Carte-Prawn 9. Ice Lemon Tea	Updated	Saved	Display Menu
03	Valid	5. Family Set 6. Coffee	Fail to Update	Not save	Failed to load the menu page

Table 4.20: Required Dummy RFOS data



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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



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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



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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



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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



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4.6 Generate Bill Control

4.6.1 Environment

FOS 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 4.31: FOS Hardware Requirements



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4.6.2 Test Case

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

Test Case ID	TC_06_001		
Related Feature ID	F006		
Objective	Session Verification Main Flow		
Covered Test Coverage Items	TCON-06-001		
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 4.32: Session Verification Main Flow Test Case



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Test Case ID	TC_06_002		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow - Invalid Username		
Covered Test Coverage Items	TCON-06-002		
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 4.33: Session Verification Alternate Flow - Invalid Username Test Case

Test Case ID	TC_06_003		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow - Invalid Password		
Covered Test Coverage Items	TCON-06-003		
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 4.34: Session Verification Alternate Flow - Invalid Password Test Case



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Test Case ID	TC_06_004		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow - Invalid Login (1-2 times)		
Covered Test Coverage Items	TCON-06-004		
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 4.35: Session Verification Alternate Flow - Invalid Login (1-2 times) Test Case

Test Case ID	TC_06_005		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow - Invalid Login (3 times)		
Covered Test Coverage Items	TCON-06-005		
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 4.36: Session Verification Alternate Flow - Invalid Login (3 Times) Test Case



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Test Case ID	TC_06_006		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow – Cancel during Login		
Covered Test Coverage Items	TCON-06-006		
Input	Expected Result	Special Procedural Requirements	Intercase Dependency
Press “Cancel”	System displays login page	Login	None

Table 4.37: Session Verification Alternate Flow - Cancel during Login Test Case

Test Case ID	TC_06_007		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow – Change Order Status		
Covered Test Coverage Items	TCON-06-007		
Input	Expected Result	Special Procedural Requirements	Intercase Dependency
Table No. = 12 Status = Done	System sends the information to customer's tablet	Login	None

Table 4.38: Session Verification Alternate Flow – Change Order Status Test Case



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Test Case ID	TC_06_008		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow – Cancel during Change Order Status		
Covered Test Coverage Items	TCO-06-008		
Input	Expected Result	Special Procedural Requirements	Inter-case Dependency
Press “Cancel”	System displays view order page	Login	None

Table 4.39: Session Verification Alternate Flow - Cancel during Change Order Status Test Case

Test Case ID	TC_06_009		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow – Not Response after change order status in 60 seconds		
Covered Test Coverage Items	TCO-06-009		
Input	Expected Result	Special Procedural Requirements	Inter-case Dependency
Stay at current page for 60 seconds	System will pop-up a message “FOS will be logout in 60 seconds”	Login	None

Table 4.40: Session Verification Alternate Flow - Not Response after change order status in 60 seconds Test Case



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Test Case ID	TC_06_010		
Related Feature ID	F006		
Objective	Session Verification Alternate Flow – Not Response after change order status in 5 minutes		
Covered Test Coverage Items	TCON-06-010		
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 4.41: Session Verification Alternate Flow - Not Response after change order status in 5 minutes Test Case



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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)



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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:


- i. ROFS for customer in “ON” state.
- ii. ROFS for customer in “Home” page.
- iii. 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	<ol style="list-style-type: none"> 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

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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



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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	25 th 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	



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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
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1.0.0	25/5/2017	03		RTECH	25/5/2017	



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Session Verification Test Procedure

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


- i. ROFS for customer in “ON” state.
- ii. ROFS for customer in “Home” page.
- iii. 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 5.1 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	<ol style="list-style-type: none"> 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 Session Verification Main Flow Test Procedure

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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 5.3 Session Verification Alternate Flow Test Procedure



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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:

- i. ROFS Software Requirement Specifications (ROFS _SRS_2.0)
- ii. The ROFS System Design Specifications (ROFS RFOS_SDS_2.0)



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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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Waiter logout from the system

Table 5.4: 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	<ol style="list-style-type: none"> 1. Input “waiter1” as username and “1234” as password 2. System displays message “Invalid username. Please re-enter your username”
Wrap Up	<ol style="list-style-type: none"> 1. Waiter re-enter username

Table 5.5: Session verification alternate flow - Invalid username



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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 5.6: 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 5.7: Session verification alternate flow - Invalid login 1-2 times



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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	<ol style="list-style-type: none"> 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 5.8: 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	<ol style="list-style-type: none"> 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 5.9: Session verification alternate flow - Cancel during login



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Test Procedure ID	TP-03-007
Objective	Session verification alternate flow - Change order status
Test Cases To Be Executed	TC-03-007
Set Up	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Waiter logout from the system

Table 5.10: 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	<ol style="list-style-type: none"> 1. Insert “12” as table number and “done” as status 2. Press “Cancel” 3. System displays view order page
Wrap Up	<ol style="list-style-type: none"> 1. System displays view order page

Table 5.11: Session verification alternate flow - Cancel during change order status



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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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. System displays the current page

Table 5.12: 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. System displays login page

Table 5.13: Session verification alternate flow - Not response after change order status in 5 minutes



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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:

- i. RFOS for customer in “ON” state.
- ii. RFOS for customer in “Home” page.
- iii. 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 5.14 Verify Home page Test Procedure



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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 5.15 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

Table5.16 Session Verification Alternate Flow Test Procedure



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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 5.17 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



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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:


- i. ROFS for manager in “ON” state.
- ii. ROFS for manager in “Home” page.
- iii. 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 5.18: 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	<ol style="list-style-type: none"> 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 5.19: Session Verification Main Flow Test Procedure

	Project Title: RFOS Independent Verification and		
	Date	Test Log ID	PAGE
	25/05/2017	RFOS_TL_1.0.0	lxxx

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 5.20: Session Verification Alternate Flow Test Procedure

5.6 Generate Bill Control

5.6.1 Introduction

5.6.1.1 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

5.6.1.2 Scope

The following features are covered in this procedure.

Feature ID	Feature	Description	Accessible Role
F006	Generate Bill	To generate bill to the customer	Manager

5.6.1.3 References

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

- i. ROFS Software Requirement Specifications (ROFS _SRS_2.0)



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5.6.2 Test Procedure

5.6.2.1 Session Verification Test Procedure

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


- i. ROFS for manager in “ON” state.
- ii. ROFS for manager in “Home” page.
- iii. 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 5.21: 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	<ol style="list-style-type: none"> 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 5.22: Session Verification Main Flow Test Procedure

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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 5.23: Session Verification Alternate Flow Test Procedure



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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	TC_01_001	TP_01_001	Functional	Manual	Pass	RFOS_TIR_1.0/TIR-02-001	Screen froze after pressing "MENU"
TDS 2.1.1.2							
TDS 2.1.1.3	TC_01_002				Pass	-	-
	TC_01_003				Pass	-	-
	TC_01_004				Pass	-	-
	TC_01_005				Pass	-	-
	TC_01_006				Pass	-	-

Test Environment After Change

No change

Unexpected event occurred	Test Procedure ID	Anomaly Reporter Name
Screen froze after pressing "login" button	TP_01_001	Tester 2

			Project Title: RFOS Independent Verification and		
Date		Test Log ID		PAGE	
25/05/2017		RFOS_TL_1.0.0		Ixxxv	

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	24 th of May, 2017

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	



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Date	Test Log ID	PAGE
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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	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	TC_02_001	TP_02_001	Functional	Manual	Pass	RFOS_TIR_1.0/TIR-02-001	Screen froze after pressing "MENU"
TDS 2.1.1.2							
TDS 2.1.1.3	TC_02_002				Pass	-	-
	TC_02_003				Pass	-	-
	TC_02_004				Pass	-	-
	TC_02_005				Pass	-	-
	TC_02_006				Pass	-	-
	TC_02_007				Pass	-	-
	TC_02_008				Pass	-	-
	TC_02_009				Pass	-	-
	TC_02_010				Pass	-	-

Test Environment After Change

No change

Unexpected event occurred	Test Procedure ID	Anomaly Reporter Name
Screen froze after pressing "menu" button	TP_02_001	Tester 2



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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	-		



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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
<p>Hardware : Microsoft Surface Pro</p> <p>Windows 8</p> <p>Intel Core i5 Processor</p> <p>Reference: RFOS_TP_1.0.0</p>	No change

Anomalous Event

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	Date	Test Log ID	PAGE
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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

6.4 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	13 th of December, 2016

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



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Date	Test Log ID	PAGE
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Version History

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

Distribution List

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	



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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	TC_04_001	TP_02_001	Functional	Manual	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.
TDS 2.1.1.2							
TDS 2.1.1.3	TC_04_002				Pass	-	-
	TC_04_003				Pass	-	-
	TC_04_004				Pass	-	-
	TC_04_005				Pass	-	-
	TC_04_006				Pass	-	-
	TC_04_007				Pass	-	-
	TC_04_008				Pass	-	-
	TC_04_009				Pass	-	-
					Pass	-	-
							-
							-
							-
							-
							-
							-



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	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	
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Unexpected event occurred	Test Procedure ID	Anomaly Reporter Name
System does not perform any action and does display error message "staffID and password	TP_04_001	Tester 2

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incorrect. Please re- enter your staffID and password.		
--	--	--

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	TC_05_001	TP_05_001	Functional	Manual	Pass	RFOS_TIR_1.0 /TIR-05-001	Screen froze after pressing "SELECT"
TDS 2.1.1.2							
TDS 2.1.1.3	TC_05_002				Pass	-	-
	TC_05_003				Pass	-	-
	TC_05_004				Pass	-	-
	TC_05_005				Pass	-	-
	TC_05_006				Pass	-	-
	TC_05_007				Pass	-	-
	TC_05_008				Pass	-	-
	TC_05_009				Pass	-	-
	TC_05_010				Pass	-	-

Test Environment After Change

No change

Unexpected event occurred	Test Procedure ID	Anomaly Reporter Name
Screen froze after pressing "SELECT"	TP_05_001	Tester 2



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6.6 Generate Bill Control

TEST LOG

General Information			
Test Log Scope	This test log covered Generate Bill (F006) 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	23/05/17	End Date	23/05/17
Execution Start Time	1000	End Time	1500
Tester Name	Ezzra Norannis bt Mohamad Khairuddin		
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	TC_06_001	TP_06_001	Functional	Manual	Pass	RFOS_TIR_1.0 /TIR-05-001	Screen froze after pressing "SELECT"
TDS 2.1.1.2							
TDS 2.1.1.3	TC_06_002				Pass	-	-
	TC_06_003				Pass	-	-
	TC_06_004				Pass	-	-
	TC_06_005				Pass	-	-
	TC_06_006				Pass	-	-
	TC_06_007				Pass	-	-
	TC_06_008				Pass	-	-
	TC_06_009				Pass	-	-
	TC_06_010				Pass	-	-

Test Environment After Change

No change

Unexpected event occurred	Test Procedure ID	Anomaly Reporter Name
Screen froze after pressing "SELECT"	TP_06_001	Tester 2

7.0 Test Summary Report



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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	Syafiqafira 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)
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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				



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<p>The items tested was the transfer feature in ROFS 2.1. The tests were conducted on an ROFS provided by the client.</p> <p>10 test cases have been planned and executed.</p> <p>1 minor incident found in this iteration contain suggestive correction to the developer.</p> <p>100% of the incidents fixes have been deferred until next release.</p>
Rationale for Decisions
<p>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.</p>
Conclusion and Recommendation Based on Test Result
<p>The current version of product is not fit for release until defects are fixed.</p> <p>A more thorough logic check on the system may lessen similar defects in the future.</p>

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	



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Date	Test Summary Report ID	PAGE
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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	24 th 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	



Project Title: RFOS Independent Verification and

Date	Test Summary Report ID	PAGE
25/05/2016	RFOS_TSR_1.0.0	x

Version History

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

Distribution List

Version	Release Date	Controlled Copy No	Recipient 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



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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	
<input checked="" type="checkbox"/> Open <input type="checkbox"/> Assigned for Resolution <input type="checkbox"/> Retested with the fix confirmed <input type="checkbox"/> Approved for Resolution <input type="checkbox"/> Fixed	
Impact	
<input type="checkbox"/> Mission Critical : Application will not function or system fails	



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☐ 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	



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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
---	--	--	--	---



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				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				



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Result Summary
<p>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.</p> <p>10 test cases have been planned and executed.</p> <p>1 minor incident found in this iteration contains suggestive correction to the developer.</p> <p>100% of the incidents fixes have been deferred until next release.</p>
Rationale for Decisions
<p>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.</p>
Conclusion and Recommendation Based on Test Result
<p>The current version of product is not fit for release until defects are fixed.</p> <p>A more thorough logic check on the system may lessen similar defects in the future.</p>

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	



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Date	Test Summary Report ID	PAGE
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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	14 th 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	



Project Title: RFOS Independent Verification and

Date	Test Summary Report ID	PAGE
25/05/2016	RFOS_TSR_1.0.0	xviii

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	



Project Title: RFOS Independent Verification and

Date

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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	Reject (Incidents that were rejected after investigation because it	Resolved (Incidents that have been confirmed resolved)	Deferred (Incidents that have been deferred. Incidents are
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	pending to be resolved)	cannot be categorised as incident)		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
<p>The items tested was the transfer feature in ROFS 2.1. The tests were conducted on an ROFS provided by the client.</p> <p>10 test cases have been planned and executed.</p> <p>1 minor incident found in this iteration contain suggestive correction to the developer.</p> <p>100% of the incidents fixes have been deferred until next release.</p>
Rationale for Decisions
<p>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.</p>
Conclusion and Recommendation Based on Test Result
<p>The current version of product is not fit for release until defects are fixed.</p> <p>A more thorough logic check on the system may lessen similar defects in the future.</p>

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	

7.6 Generate Bill 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	Open (Incidents discovered	Reject (Incidents that were rejected	Resolved (Incidents that have	Deferred (Incidents that have
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current iteration)	from previous test iteration that are still pending to be resolved)	after investigation because it cannot be categorised as incident)	been confirmed resolved)	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
<p>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.</p> <p>10 test cases have been planned and executed.</p> <p>1 minor incident found in this iteration contains suggestive correction to the developer.</p> <p>100% of the incidents fixes have been deferred until next release.</p>
Rationale for Decisions
<p>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.</p>
Conclusion and Recommendation Based on Test Result
<p>The current version of product is not fit for release until defects are fixed.</p> <p>A more thorough logic check on the system may lessen similar defects in the future.</p>

Approvals		
Name	Job Title	Approved
Fatin Athirah binti Azalan	Test Lead	
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Noraisyah binti Yaakub	Test Manager	
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