

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 1 / 12

REVISION HISTORY

Date	Version	Description	Author
10.05.2025	0.1	Section 1 (Document Overview) and 2.1 (Test Execution Environment) have been added.	Elifnur Boncuk
10.05.2025	0.2	Section 3 (Detailed Test Results) was created, and the test cases T-SRS-REQ-001 and T-SRS-REQ-002 under subsection 3.1 were executed and documented.	Elifnur Boncuk
10.05.2025	0.3	The test cases T-SRS-REQ-001 and T-SRS-REQ-002 under subsection 3.1 were updated with comments and corrections.	Emre Tekin
10.05.2025	0.4	Section 2.3(Overall assessment of test) has been added. Section 3.3(Post Services Tests) are completed. T-SRS-REQ-004 and T-SRS-REQ-007 updated.	Mert Turan Tahsin Karcı
10.05.2025	0.5	The test cases T-SRS-REQ-006 have been updated with comments.	İrem Akova
10.05.2025	0.6	Statistics about bugs and enhancements have been added to 2.3.	Tahsin Karcı
10.05.2025	0.7	The test cases T-SRS-REQ-004, T-SRS-REQ-006, T-SRS-REQ-007 and T-SRS-REQ-008 have been updated with comments.	İris Akdemir
10.05.2025	1.0	The document has been transferred from Google Docs to Word. The last touch has been done in the document.	Tahsin Karcı

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 2 / 12

TABLE OF CONTENTS

Revision History	1
1 Introduction	3
1.1 Document overview	3
1.2 References	3
1.2.1 Project References	3
1.3 Conventions	3
2 Overview of Tests Results	4
2.1 Tests log	4
2.2 Rationale for decision	4
2.3 Overall assessment of tests	4
2.4 Impact of test environment	5
3 Detailed Tests Results	6
3.1 Table Reservation & Login Tests	6
3.2 Menu & Order Tests	9
3.3 Post Service Tests	11

1 Introduction

1.1 Document overview

This document is the software test report of the testing phase of the RMS software development project. It contains the results of tests performed on the developed system.

1.2 References

1.2.1 Project References

#	Document Identifier	Document Title
[STP]	RMS-STP-v2	RMS Software Test Plan
[SRS]	RMS-SRS-v2	RMS Software Requirements Specifications
[SDP]	RMS-SDP-v2	RMS Software Development Plan
[SDD]	RMS-SDD-v2	RMS Software Detailed Design

1.3 Conventions

Each test case will be shown in the following table format:

Test ID	<ID of the test>		<Decisions>
Test description	<A brief description of the test>		
Verified Requirement	<ID numbers of requirements that are to be verified with this test.>	Verification method: <I,A,D,T>	
Initial conditions	<The state of software before test>		
Tests inputs	<Input data from any test tool, input files name and location, if any >		
Data collection actions	<Recording and post processing of output data, if any >		
Tests outputs	<Output data files, if any>		
Assumptions and constraints	If any, may be limited access to a tool, license ...		
Expected results and criteria	<list of expected results>	<special criteria to be met by the result, if any>	
Test procedure			
Step number	Operator actions	Expected result and evaluation criteria	
1	<actions listed row by row>	<expectation after each action if any>	
2	

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 4 / 12

2 Overview of Tests Results

2.1 Tests log

The RMS software (version 1.0) was tested using IntelliJ IDEA 2024.1 on both Windows 11 and macOS systems between May 9, 2025 and May 10, 2025. The tests defined in the Software Test Plan (RMS-STP-v2) were executed as part of the functional and system testing phase.

Testers were:

- Elifnur Boncuk
- Emre Tekin
- İrem Akova
- İris Akdemir
- Mert Turan
- Tahsin Karcı

2.2 Rationale for decision

After executing a test, the decision is defined according to the following rules:

- **OK:** The test sheet is set to "OK" state when all steps are in "OK" state. The real result is compliant to the expected result.
- **NOK:** The test sheet is set to "NOK" state when all steps of the test are set to "NOK" state or when the result of a step differs from the expected result.
- **NOT RUN:** Default state of a test sheet not yet executed.
- **NOT COMPLETED:** The test sheet is set to "Not Completed" state when at least one step of the test is set "Not Run" state.

Tests results are listed in §3.

2.3 Overall assessment of tests

- The application works as expected in the testing.
- Application functions correctly but the design of the pages is updated for a more aesthetic appearance and images for the menu items can be added for the customers to see the item before ordering.
- One of the tests that was specified in the Software Test Plan document is not specified as an alternative function is found that does not fit the test criteria.
- All the remaining tests are working as specified in the Software Test Plan

Statistics about tests:

- 88,9% of tests OK,
- 11.1% of tests NOK
- 0% of tests POK
- 0% of tests NR
- 0% of tests NC

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 5 / 12

There is one conflict: the same password cannot be used by another user's sign-up information. It can be resolved, but it's not a major issue—more of a minor constraint than a true error.

Statistics about bugs and enhancements:

- Total number: 1
- Number of Critical: 0
- Number of Major: 0
- Number of minor: 1
- Number of enhancements: 0

2.4 Impact of test environment

There is no impact of test environment that can affect the tests.

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 6 / 12

3 Detailed Tests Results

For each executed test, this document contains:

- Test identification;
- Test title;
- Test decision;
- A comment containing additional information or problems encountered during execution and differences with the test procedure.
-

For the problems leading to a bug, the bug ID is reported as the result of the step where problem was encountered.

3.1 Table Reservation & Login Tests

Test ID	T-SRS-REQ-001	Comment	Decision
Test desc.	User login test.	Username is used for the login operations, instead of userID as stated in the requirement. This decision has been made for convenience since the userID term is used for the ID assigned automatically by the system. This ID is not shown to the user, so the user uses a desired username while logging in.	OK
Verif. Req.	SRS-RMS-001, SRS-RMS-001.1	Demonstration	
Init. Cond.	RMS software is on the login page.		
Tests inputs	password, username		
Data collection	N/A	Username and password data is collected when signing up, so in the login operations, there is no data collection.	
Tests outputs	Verify that the corresponding page for the user type is open when successful login.		
Assum & constr	The user enters the correct username and password they used when signing up.		
Expected results and criteria	Reservation page is open if a customer is logged in, Order page is open if a waiter is logged in, Payment page is open if a supervisor is logged in.	See last step for criteria.	
Test procedure			
Step number	Operator actions	Expected result and eval crit	Result
1	Clicking on the button corresponding to the role of the user.	The corresponding login page is open.	OK

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 7 / 12

2	Entering existing username and password, clicking the login button.	Successfully logged in.	OK
3	Entering nonexistent username/password and clicking the login button.	"You need to sign up!" message displayed.	OK

Test ID	T-SRS-REQ-002	Comment	Decision
Test desc.	Verify that the user can see the list of tables.		OK
Verif. Req.	SRS-RMS-002, SRS-RMS-002.1	Demonstration	
Init. Cond.	RMS software is open and the customer is logged in.		
Tests inputs	Click on the combo box for the tables and table slots.		
Data collection	N/A		
Tests outputs	List of tables and table slots appeared on the screen.		
Assum & constr	N/A		
Expected results and criteria	Successfully viewing the tables and table slots.		
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Login as a customer.	Successfully logged in, the reservation page is opened.	OK
2	Clicking on the combo box.	Tables are listed with their slots for the day.	OK

Test ID	T-SRS-REQ-003	Comment	Decision
Test desc.	Customer reservation test		OK
Verif. Req.	SRS-RMS-003, SRS-RMS-003.1	Demonstration	
Init. Cond.	RMS software is open and the customer is logged in and the view tables page is open.		
Tests inputs	N/A		
Data collection	N/A		
Tests outputs	N/A		
Assum & constr	N/A		
Expected results and criteria	Reservation is made depending on the availability of the table.		

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 8 / 12

Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Clicking the view tables button.	Tables are listed with capacity and availability details.	OK
2	Selecting an available table and clicking the reserve button.	The table is successfully reserved and a confirmation message is displayed.	OK
3	Selecting an unavailable table and clicking the reserve button.	The table is not reserved and a warning message is displayed.	OK

Test ID	T-SRS-REQ-004	Comment	Decision
Test desc.	Verify that the customer can get their reserved table's location and other information ahead of reservation date & time.		OK
Verif. Req.	SRS-RMS-004, SRS-RMS-004.1	Demonstration	
Init. Cond.	RMS software is open and the customer is logged in & in the notifications section.	The customer should open the RMS software and enter login credentials correctly.	
Tests inputs	N/A		
Data collection	N/A		
Tests outputs	N/A		
Assum & constr	N/A		
Expected results and criteria	Successfully viewing the reserved table's location and other information.		
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Clicking on the "view notifications" button.	Notifications for the upcoming reservations are listed. (by View My Reservations)	OK
2	Clicking on the notification about one of the upcoming reservations.	Reserved table's location and other information is shown to the customer.	OK

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 9 / 12

3.2 Menu & Order Tests

Test ID	T-SRS-REQ-005	Comment	Decision
Test desc.	Verify that the customer can see the menu.		OK
Verif. Req.	SRS-RMS-005, SRS-RMS-005.1	Demonstration	
Init. Cond.	RMS software is open and the customer is logged in.		
Tests inputs	N/A		
Data collection	N/A		
Tests outputs	N/A		
Assum & constr	N/A		
Expected results and criteria	Successfully viewing the menu.		
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Login as a customer.	Successfully logged in.	OK
2	Clicking the view menu button.	Menu page opens.	OK

Test ID	T-SRS-REQ-006	Comment	Decision
Test desc.	Verify that the customer can order a meal that is available on the menu.	When the customer selects a meal from the menu, the corresponding menuID is attached to the active reservation in the Reservations table, and a new entry is created in the Orders table. A confirmation message is displayed on the screen, and a notification is simultaneously sent to both the waiter and supervisor interfaces.	OK
Verif. Req.	SRS-RMS-006	Demonstration	
Init. Cond.	RMS software is open and the customer is logged in and in the "view menu" section. The customer needs to have made a reservation and added it to the reservation database, so when the menu is selected the menuID can also be added to the reservation.		
Tests inputs	ReservationID	It will be found from customerID that also can be found from userpassword.	

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 10 / 12

Data collection	Updating reservation menuID in database and inserting order in orders.		
Tests outputs	N/A	N/A	
Assum & constr	N/A	N/A	
Expected results and criteria	A meal is chosen by the customer and a notification is sent to the waiter & supervisor.	Order that is created also will appear in the waiter order page.	
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Clicking on the desired meal on the menu.	Desired meal and its features are shown to the customer.	OK
2	Clicking on the "buy this meal" button.	A notification is sent to the waiter & supervisor.	OK

Test ID	T-SRS-REQ-007	Comment	Decision
Test desc.	Verify that the waiter and supervisor can view orders.	After login, waiter accesses "OrderView" which displays all active customer orders. The waiter can update order status. Supervisor accesses "PaymentView" where paid/unpaid status is displayed and can close orders after payment.	OK
Verif. Req.	SRS-RMS-007, SRS-RMS-007.1	Demonstration	
Init. Cond.	RMS software is open and the waiter is logged in and in the main menu.	Successfully logging in with an already existing waiter information.	
Tests inputs	N/A		
Data collection	N/A		
Tests outputs	N/A		
Assum & constr	N/A		
Expected results and criteria	Current status of orders are listed.	The waiter should see status with orders and change them while the supervisors should see the payment-status with orders and close the orders.	
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Login as a customer.	Successfully logged in.	OK
2	Make a reservation.	Desired reservation has been made.	OK
3	Login as a supervisor and	Successfully logged in.	OK

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 11 / 12

	waiter.		
4	Clicking on the “view notifications” button.	Notifications for the upcoming orders are listed.	OK
5	Clicking the view orders button.	Orders are listed with current status.	OK

3.3 Post Service Tests

Test ID	T-SRS-REQ-008	Comment	Decision
Test desc.	Verifying that the customer can pay for the meal successfully		NOK, the customer does not complete the payment directly through the application; instead, the actual implementation assigns the payment responsibility to the supervisor.
Verif. Req.	SRS-RMS-008, SRS-RMS-008.1	Demonstration	
Init. Cond.	RMS software is open and the customer is logged in and on the payment menu.		
Tests inputs	N/A		
Data collection	N/A		
Tests outputs	N/A		
Assum & constr	When a customer selects an item from the menu and orders it, the price of the item is added to the customer's bill.		
Expected results and criteria	The supervisor shall see the total payment of the order in the payment page.	Verifying that the total payment displayed matches the sum of all selected menu items in the UI.	
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Clicking the “view unpaid payments” button.	Payments that need to be paid are listed correctly.	OK
2	Clicking the “pay” button and	The system receives	NOK, when an order is

Software Test Report of RMS		
Doc # RMS-STR	Version: 1.0	Page 12 / 12

	entering the necessary credit card information.	the correct amount of money.	closed and the payment is taken with a supervisor.
--	---	------------------------------	--

Test ID	T-SRS-REQ-009	Comment	Decision
Test desc.	Verify that the supervisor can close the order.		OK
Verif. Req.	SRS-RMS-009, SRS-RMS-009.1	Demonstration	
Init. Cond.	RMS software is open and the supervisor is logged in and in the main menu.		
Tests inputs	N/A		
Data collection	N/A		
Tests outputs	N/A		
Assum & constr	Differences in the order numbers must be seen in the orders page.		
Expected results and criteria	Order is closed if the payment has been paid.	In the database, changes must be updated.	
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Clicking the view reservations button.	Reservations are listed with a total payment amount.	OK
2	Closing the order after the payment has been paid by the customer.	The order has been successfully closed and a confirmation message is displayed.	OK
3	Closing the order before the payment has been paid.	A warning message will appear and closing the order is not allowed.	OK