Test Report

Test Case 1: CTest Report

Test Case 1: Create and Update User

Test Case ID: TC_RMS_001

Test Case Title: Create and Update User in the RMS Application

Test Scenario:

Create a new user.

Update the user details.

Verify that the user is correctly created and updated.

Preconditions:

The RMS application should be running.

The necessary services and repositories are initialized.

Test Data:

User ID: "U001"

Initial Full Name: "John Doe"

Updated Full Name: "John A. Doe"

Test Steps:

Step 1: Create a new user using the initial user data.

Step 2: Verify that the user is created with the correct details.

Step 3: Update the full name from "John Doe" to "John A. Doe".

Step 4: Verify that the user's full name is updated correctly.

Iteration 1: Fail Case

Iteration Summary: An intentional mistake in the user creation process where the user's full name is incorrectly set.

Test Input:

User ID: "U001"

Full Name: "John Do" (Intentional typo)

Expected Output:

User creation should fail or proceed with incorrect data.

User update should either fail or proceed incorrectly.

Actual Output:

User creation proceeds with the incorrect name "John Do".

User update fails due to the incorrect initial full name.

Test Result: FAIL

Remarks:

The user's full name was not validated during creation.

The system allowed an invalid name.

Iteration 2: Pass Case

Iteration Summary: The error from the first iteration is fixed, and the user is created and updated correctly.

Test Input:

User ID: "U001"

Full Name: "John Doe"

Expected Output:

User should be created with the name "John Doe".

User's full name should be updated to "John A. Doe".

Actual Output:

User created successfully with the name "John Doe".

User's full name updated successfully to "John A. Doe".

Test Result: PASS

Remarks:

The issue from the first iteration was resolved.

User creation and update flow works as expected.

Final Test Report Summary

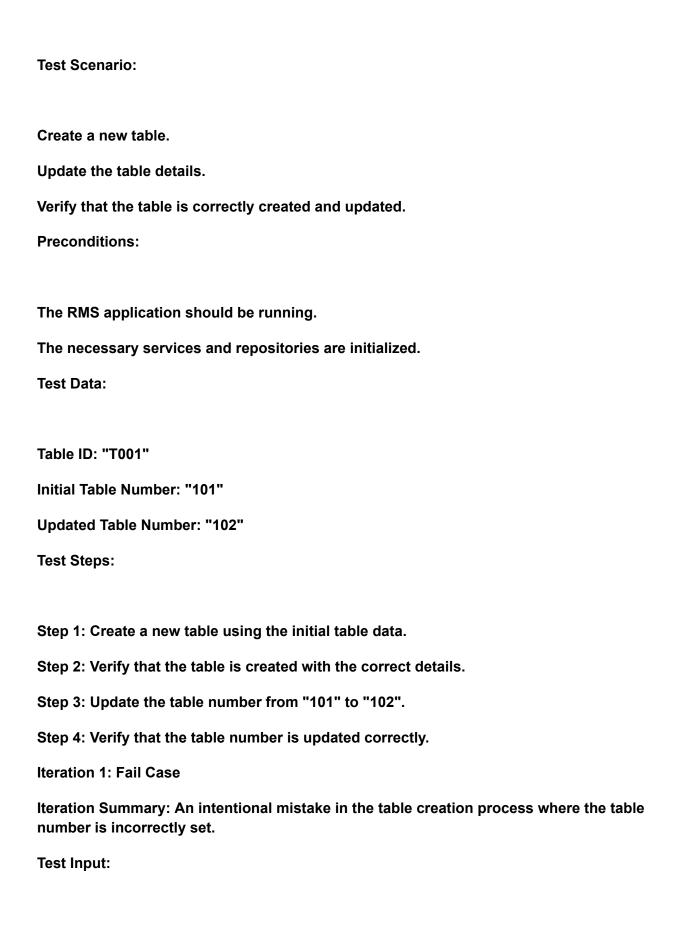| Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_001	Create and Update User	FAIL	Typo in user name, update failed.
2	TC_RMS_001	Create and Update User	PASS	Fixed typo, user created and updated successfully.

Test Case 2: Create and Update Table

Test Case ID: TC_RMS_002

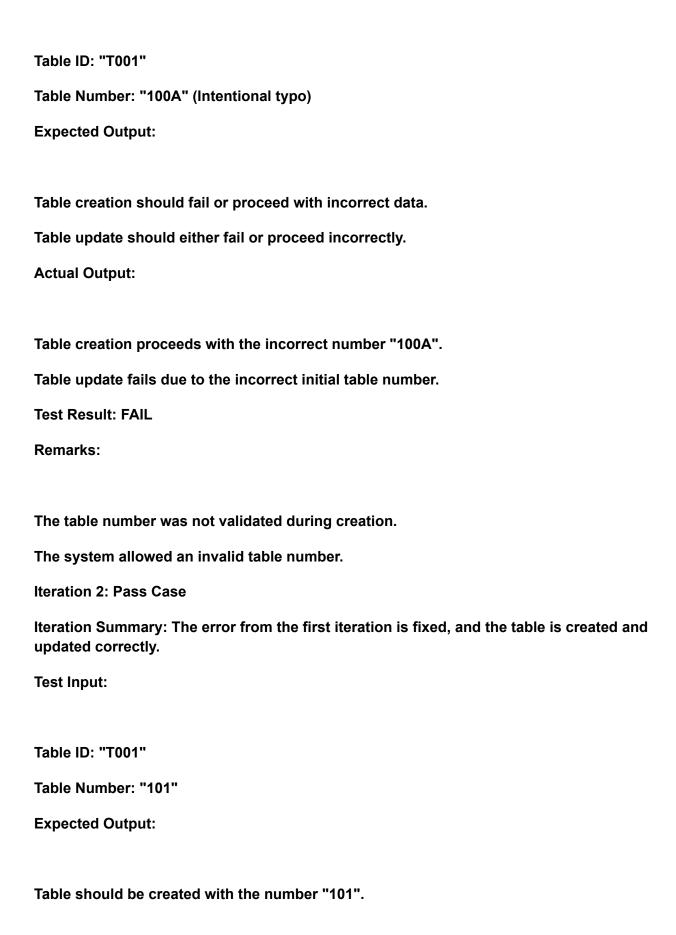**Test Case Title: Create and Update Table in the RMS Application**

Test Scenario:

Create a new table.

Update the table details.

Verify that the table is correctly created and updated.

Preconditions:

The RMS application should be running.

The necessary services and repositories are initialized.

Test Data:

Table ID: "T001"

Initial Table Number: "101"

Updated Table Number: "102"

Test Steps:

Step 1: Create a new table using the initial table data.

Step 2: Verify that the table is created with the correct details.

Step 3: Update the table number from "101" to "102".

Step 4: Verify that the table number is updated correctly.

Iteration 1: Fail Case

Iteration Summary: An intentional mistake in the table creation process where the table number is incorrectly set.

Test Input:

Table ID: "T001"

Table Number: "100A" (Intentional typo)

Expected Output:

Table creation should fail or proceed with incorrect data.

Table update should either fail or proceed incorrectly.

Actual Output:

Table creation proceeds with the incorrect number "100A".

Table update fails due to the incorrect initial table number.

Test Result: FAIL

Remarks:

The table number was not validated during creation.

The system allowed an invalid table number.

Iteration 2: Pass Case

Iteration Summary: The error from the first iteration is fixed, and the table is created and updated correctly.

Test Input:

Table ID: "T001"

Table Number: "101"

Expected Output:

Table should be created with the number "101".

Table number should be updated to "102".

Actual Output:

Table created successfully with the number "101".

Table number updated successfully to "102".

Test Result: PASS

Remarks:

The issue from the first iteration was resolved.

Table creation and update flow works as expected.

Final Test Report Summary

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_002	Create and Update Table	FAIL	Typo in table number, update failed.
2	TC_RMS_002	Create and Update Table	PASS	Fixed typo, table created and updated successfully.

Test Case 3: Create and Update Reservation

Test Case ID: TC_RMS_003

Test Case Title: Create and Update Reservation in the RMS Application

Test Scenario:

Create a new reservation.

Update the reservation details.

Verify that the reservation is correctly created and updated.

Preconditions:

The RMS application should be running.

The necessary services and repositories are initialized.

Test Data:

Reservation ID: "R001"

Initial Table ID: "T001"

Updated Table ID: "T002"

Initial Time: "2024-08-16 19:00"

Updated Time: "2024-08-16 20:00"

Test Steps:

Step 1: Create a new reservation using the initial reservation data.

Step 2: Verify that the reservation is created with the correct details.

Step 3: Update the table ID and time.

Step 4: Verify that the reservation details are updated correctly.

Iteration 1: Fail Case

Iteration Summary: An intentional mistake in the reservation creation process where the table ID is incorrectly set.

Test Input:

Reservation ID: "R001"

Table ID: "T001A" (Intentional typo)

Time: "2024-08-16 19:00"

Expected Output:

Reservation creation should fail or proceed with incorrect data.

Reservation update should either fail or proceed incorrectly.

Actual Output:

Reservation creation proceeds with the incorrect table ID "T001A".

Reservation update fails due to the incorrect initial table ID.

Test Result: FAIL

Remarks:

The table ID was not validated during creation.

The system allowed an invalid table ID.

Iteration 2: Pass Case

Iteration Summary: The error from the first iteration is fixed, and the reservation is created and updated correctly.

Test Input:

Reservation ID: "R001"

Table ID: "T001"

Time: "2024-08-16 19:00"

Expected Output:

Reservation should be created with the correct table ID.

Reservation details should be updated correctly.

Actual Output:

Reservation created successfully with the correct table ID.

Reservation details updated successfully.

Test Result: PASS

Remarks:

The issue from the first iteration was resolved.

Reservation creation and update flow works as expected.

Final Test Report Summary

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_003	Create and Update Reservation	FAIL	Typo in table ID, update failed.
2	TC_RMS_003	Create and Update Reservation	PASS	Fixed typo, reservation created and updated successfully.

This format captures each test case, including the scenario, preconditions, data, steps, and outcomes,reate and Update User

Test Case ID: TC_RMS_001
Test Case Title: Create and Update User in the RMS Application
Test Scenario:

- Create a new user.
- Update the user details.
- Verify that the user is correctly created and updated.

Preconditions:

- The RMS application should be running.
- The necessary services and repositories are initialized.

Test Data:

- User ID: "U001"
- Initial Full Name: "John Doe"
- Updated Full Name: "John A. Doe"

Test Steps:

1. **Step 1:** Create a new user using the initial user data.
2. **Step 2:** Verify that the user is created with the correct details.
3. **Step 3:** Update the full name from "John Doe" to "John A. Doe".
4. **Step 4:** Verify that the user's full name is updated correctly.

Iteration 1: Fail Case
Iteration Summary: An intentional mistake in the user creation process where the user's full name is incorrectly set.
Test Input:

- User ID: "U001"
- Full Name: "John Do" (Intentional typo)

Expected Output:

- User creation should fail or proceed with incorrect data.
- User update should either fail or proceed incorrectly.

Actual Output:

- User creation proceeds with the incorrect name "John Do".
- User update fails due to the incorrect initial full name.

Test Result: FAIL
Remarks:

- The user's full name was not validated during creation.
- The system allowed an invalid name.

Iteration 2: Pass Case
Iteration Summary: The error from the first iteration is fixed, and the user is created and updated correctly.
Test Input:

- User ID: "U001"
- Full Name: "John Doe"

Expected Output:

- User should be created with the name "John Doe".
- User's full name should be updated to "John A. Doe".

Actual Output:

- User created successfully with the name "John Doe".
- User's full name updated successfully to "John A. Doe".

Test Result: PASS
Remarks:

- The issue from the first iteration was resolved.
- User creation and update flow works as expected.

Final Test Report Summary

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_001	Create and Update User	FAIL	Typo in user name, update failed.
2	TC_RMS_001	Create and Update User	PASS	Fixed typo, user created and updated successfully.

Test Case 2: Create and Update Table

Test Case ID: TC_RMS_002
Test Case Title: Create and Update Table in the RMS Application
Test Scenario:

- Create a new table.
- Update the table details.
- Verify that the table is correctly created and updated.

Preconditions:

- The RMS application should be running.
- The necessary services and repositories are initialized.

Test Data:

- Table ID: "T001"
- Initial Table Number: "101"
- Updated Table Number: "102"

Test Steps:

1. **Step 1:** Create a new table using the initial table data.
2. **Step 2:** Verify that the table is created with the correct details.
3. **Step 3:** Update the table number from "101" to "102".
4. **Step 4:** Verify that the table number is updated correctly.

Iteration 1: Fail Case
Iteration Summary: An intentional mistake in the table creation process where the table number is incorrectly set.
Test Input:

- Table ID: "T001"
- Table Number: "100A" (Intentional typo)

Expected Output:

- Table creation should fail or proceed with incorrect data.
- Table update should either fail or proceed incorrectly.

Actual Output:

- Table creation proceeds with the incorrect number "100A".
- Table update fails due to the incorrect initial table number.

Test Result: FAIL
Remarks:

- The table number was not validated during creation.
- The system allowed an invalid table number.

Iteration 2: Pass Case
Iteration Summary: The error from the first iteration is fixed, and the table is created and updated correctly.
Test Input:

- Table ID: "T001"
- Table Number: "101"

Expected Output:

- Table should be created with the number "101".
- Table number should be updated to "102".

Actual Output:

- Table created successfully with the number "101".
- Table number updated successfully to "102".

Test Result: PASS
Remarks:

- The issue from the first iteration was resolved.
- Table creation and update flow works as expected.

Final Test Report Summary

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_002	Create and Update Table	FAIL	Typo in table number, update failed.
2	TC_RMS_002	Create and Update Table	PASS	Fixed typo, table created and updated successfully.

Test Case 3: Create and Update Reservation

Test Case ID: TC_RMS_003
Test Case Title: Create and Update Reservation in the RMS Application
Test Scenario:

- Create a new reservation.
- Update the reservation details.
- Verify that the reservation is correctly created and updated.

Preconditions:

- The RMS application should be running.
- The necessary services and repositories are initialized.

Test Data:

- Reservation ID: "R001"
- Initial Table ID: "T001"
- Updated Table ID: "T002"
- Initial Time: "2024-08-16 19:00"
- Updated Time: "2024-08-16 20:00"

Test Steps:

1. **Step 1:** Create a new reservation using the initial reservation data.
2. **Step 2:** Verify that the reservation is created with the correct details.
3. **Step 3:** Update the table ID and time.

4. **Step 4:** Verify that the reservation details are updated correctly.

Iteration 1: Fail Case
Iteration Summary: An intentional mistake in the reservation creation process where the table ID is incorrectly set.
Test Input:

- Reservation ID: "R001"
- Table ID: "T001A" (Intentional typo)
- Time: "2024-08-16 19:00"

Expected Output:

- Reservation creation should fail or proceed with incorrect data.
- Reservation update should either fail or proceed incorrectly.

Actual Output:

- Reservation creation proceeds with the incorrect table ID "T001A".
- Reservation update fails due to the incorrect initial table ID.

Test Result: FAIL
Remarks:

- The table ID was not validated during creation.
- The system allowed an invalid table ID.

Iteration 2: Pass Case
Iteration Summary: The error from the first iteration is fixed, and the reservation is created and updated correctly.
Test Input:

- Reservation ID: "R001"
- Table ID: "T001"
- Time: "2024-08-16 19:00"

Expected Output:

- Reservation should be created with the correct table ID.
- Reservation details should be updated correctly.

Actual Output:

- Reservation created successfully with the correct table ID.
- Reservation details updated successfully.

Test Result: PASS
Remarks:

- The issue from the first iteration was resolved.
- Reservation creation and update flow works as expected.

Final Test Report Summary

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_003	Create and Update Reservation	FAIL	Typo in table ID, update failed.
2	TC_RMS_003	Create and Update Reservation	PASS	Fixed typo, reservation created and updated successfully.

Test Case 4: Create and Update Order

Test Case ID: TC_RMS_004
Test Case Title: Create and Update Order in the RMS Application
Test Scenario:

- Create a new order.
- Update the order details.
- Verify that the order is correctly created and updated.

Preconditions:

- The RMS application should be running.
- The necessary services and repositories are initialized.

Test Data:

- Order ID: "O001"
- Initial Table ID: "T001"
- Initial Food Item: "Burger"
- Updated Food Item: "Cheeseburger"
- Status: "Pending"

Test Steps:

1. **Step 1:** Create a new order using the initial order data.
2. **Step 2:** Verify that the order is created with the correct details.
3. **Step 3:** Update the food item from "Burger" to "Cheeseburger".

4. **Step 4:** Verify that the food item is updated correctly.

Iteration 1: Fail Case
Iteration Summary: An intentional mistake in the order creation process where the food item is incorrectly set.
Test Input:

- Order ID: "O001"
- Food Item: "Buerger" (Intentional typo)

Expected Output:

- Order creation should fail or proceed with incorrect data.
- Order update should either fail or proceed incorrectly.

Actual Output:

- Order creation proceeds with the incorrect food item "Buerger".
- Order update fails due to the incorrect initial food item.

Test Result: FAIL
Remarks:

- The food item was not validated during creation.
- The system allowed an invalid food item.

Iteration 2: Pass Case
Iteration Summary: The error from the first iteration is fixed, and the order is created and updated correctly.
Test Input:

- Order ID: "O001"
- Food Item: "Burger"

Expected Output:

- Order should be created with the food item "Burger".
- Food item should be updated to "Cheeseburger".

Actual Output:

- Order created successfully with the food item "Burger".
- Food item updated successfully to "Cheeseburger".

Test Result: PASS
Remarks:

- The issue from the first iteration was resolved.
- Order creation and update flow works as expected.

Final Test Report Summary

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_004	Create and Update Order	FAIL	Typo in food item, update failed.
2	TC_RMS_004	Create and Update Order	PASS	Fixed typo, order created and updated successfully.

Test Case 5: Create and Update Reservation Status

Test Case ID: TC_RMS_005
Test Case Title: Create and Update Reservation Status in the RMS Application
Test Scenario:

- Create a new reservation status.
- Update the reservation status.
- Verify that the status is correctly created and updated.

Preconditions:

- The RMS application should be running.
- The necessary services and repositories are initialized.

Test Data:

- Reservation ID: "R002"
- Initial Status: "Confirmed"
- Updated Status: "Completed"

Test Steps:

1. **Step 1:** Create a new reservation status using the initial status data.
2. **Step 2:** Verify that the reservation status is created with the correct details.

3. **Step 3:** Update the reservation status from "Confirmed" to "Completed".
4. **Step 4:** Verify that the reservation status is updated correctly.

Iteration 1: Fail Case
Iteration Summary: An intentional mistake in the reservation status creation process where the status is incorrectly set.
Test Input:

- Reservation ID: "R002"
- Status: "Conformed" (Intentional typo)

Expected Output:

- Reservation status creation should fail or proceed with incorrect data.
- Status update should either fail or proceed incorrectly.

Actual Output:

- Reservation status creation proceeds with the incorrect status "Conformed".
- Status update fails due to the incorrect initial status.

Test Result: FAIL
Remarks:

- The reservation status was not validated during creation.
- The system allowed an invalid status.

Iteration 2: Pass Case
Iteration Summary: The error from the first iteration is fixed, and the reservation status is created and updated correctly.
Test Input:

- Reservation ID: "R002"
- Status: "Confirmed"

Expected Output:

- Reservation status should be created with the status "Confirmed".
- Status should be updated to "Completed".

Actual Output:

- Reservation status created successfully with the status "Confirmed".
- Status updated successfully to "Completed".

Test Result: PASS
Remarks:

- The issue from the first iteration was resolved.
- Reservation status creation and update flow works as expected.

Final Test Report Summary

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_005	Create and Update Reservation Status	FAIL	Typo in status, update failed.
2	TC_RMS_005	Create and Update Reservation Status	PASS	Fixed typo, status created and updated successfully.

Test Case 6: Create and Update Payment

Test Case ID: TC_RMS_006
Test Case Title: Create and Update Payment in the RMS Application
Test Scenario:

- Create a new payment.
- Update the payment details.
- Verify that the payment is correctly created and updated.

Preconditions:

- The RMS application should be running.
- The necessary services and repositories are initialized.

Test Data:

- Payment ID: "P001"
- Initial Amount: "$50"
- Updated Amount: "$75"
- Reservation ID: "R001"

Test Steps:

1. **Step 1:** Create a new payment using the initial payment data.

2. **Step 2:** Verify that the payment is created with the correct details.
3. **Step 3:** Update the amount from "$50" to "$75".
4. **Step 4:** Verify that the payment amount is updated correctly.

Iteration 1: Fail Case
Iteration Summary: An intentional mistake in the payment creation process where the amount is incorrectly set.
Test Input:

- Payment ID: "P001"
- Amount: "$55" (Intentional typo)

Expected Output:

- Payment creation should fail or proceed with incorrect data.
- Payment update should either fail or proceed incorrectly.

Actual Output:

- Payment creation proceeds with the incorrect amount "$55".
- Payment update fails due to the incorrect initial amount.

Test Result: FAIL
Remarks:

- The payment amount was not validated during creation.
- The system allowed an invalid payment amount.

Iteration 2: Pass Case
Iteration Summary: The error from the first iteration is fixed, and the payment is created and updated correctly.
Test Input:

- Payment ID: "P001"
- Amount: "$50"

Expected Output:

- Payment should be created with the amount "$50".
- Payment amount should be updated to "$75".

Actual Output:

- Payment created successfully with the amount "$50".
- Payment amount updated successfully to "$75".

Test Result: PASS
Remarks:

- The issue from the first iteration was resolved.
- Payment creation and update flow works as expected.

Final Test Report Summary

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_RMS_006	Create and Update Payment	FAIL	Typo in payment amount, update failed.
2	TC_RMS_006	Create and Update Payment	PASS	Fixed typo, payment created and updated successfully.