

Moffat Bay Lodge – Functional Test Plan

Project: Moffat Bay	
Course: CSD 460: William Renard, Julie Sakai, Tazmin Somerville, Tatiana Tan, and Paul Romer	
Description: Functional test plan for the Room Reservation page.	
Date: 2025/06/29	

TABLE OF CONTENTS

Valid Room Reservation Flow	2
Missing Required Fields Validation.....	2
Room Reservation for King Room.....	5
Invalid Check-Out Date Entry For Double Full Room Reservation	6

Moffat Bay Lodge – Functional Test Plan

For each test, the developer should: provide a test description, a test objective, the developer name and date tested. For each step, fill out the actions to be taken and describe the expected results, and indicate yes or no for each step depending upon the result. The peer tester should provide their name, date tested, indicate yes or no for each step depending upon the result, and a screenshot (thumbnail) of the result.

Test 1	Valid Room Reservation Flow			
	Test Objective: Verifies input data meets requirements	Developer: Date tested: <yyyy/mm/dd>	Peer tester: Tazmin Somerville Date tested: <2025/06/29>	
Step	Action	Expected results:	Developer pass/fail	Tester pass/fail + Screenshot
0	Log in using valid registered user credentials	User is logged in successfully and lands on the homepage	<yes/no>	yes
1	Navigate to the Room Reservation page from the navbar or homepage	Room type is selected and saved in the form	<yes/no>	yes
2	Select a room type (e.g., King) from the dropdown or selection method	Room type is selected and displayed properly	<yes/no>	yes
3	Enter number of guests (e.g., 2)	Input is accepted without error	<yes/no>	yes
4	Select a valid check-in and check-out date (e.g., July 10 to July 12)	Dates are accepted and booking duration is calculated	<yes/no>	yes
5	Click the Confirm Reservation button	Routed to 'My Reservations'	<yes/no>	yes
Comments	This test ensures the full reservation workflow functions as expected for a registered user. Check the total price calculation and confirmation messaging (user is taken to 'ReservationSummaryServlet'). It's important that invalid inputs (e.g., missing fields or wrong date order) don't pass this test, they do not.			

Test 2	Missing Required Fields Validation			
	Test Objective: Ensure that the Room Reservation form correctly	Developer: Date tested: <yyyy/mm/dd>	Peer tester: Tazmin Somerville Date tested: <2025/06/29>	

Moffat Bay Lodge – Functional Test Plan

	enforces front end validation by preventing submission when required fields are missing or incomplete. This helps confirm that users are guided to fill out all necessary inputs before a reservation is processed.			
Step	Action	Expected results:	Developer pass/fail	Tester pass/fail
0	Log in with a valid user account	Redirected to dashboard or homepage with session active	<yes/no>	yes
1	Navigate to the Room Reservation page	Reservation form loads correctly	<yes/no>	yes
2	Leave all form fields blank and attempt to click "Confirm Reservation"	User is shown error messages for required fields (e.g., "Room type is required", "Check-in date is required")	<yes/no>	yes
3	Fill only one field (e.g., number of guests), then try to submit	Form prevents submission and shows appropriate error messages for the remaining blank fields	<yes/no>	yes
4	Fill all fields <i>except</i> check-out date and try to submit	The form displays validation error specific to missing check-out date	<yes/no>	yes
5	Correct all fields and submit form	Form submits successfully; no message, but confirmed when user is routed to 'My Reservations - (ReservationSummaryServlet)'	<yes/no>	yes
Comments	This test confirms that front-end validation is working and no reservation can be submitted without all required inputs. Error messages should be clear and specific, so the user knows what to fix. It also ensures validation runs before submission logic is triggered, preventing garbage or partial data from reaching the backend.			

Moffat Bay Lodge – Functional Test Plan

Queen Room

Spacious queen-bed cabin with a balcony and great views.

\$135/night

Guests: 1

Check-In: 01 / 07 / 2025

Check-Out: 03 / 07 / 2025

Estimated Total: **\$270.00**

Reserve Queen

Queen

UPCOMING

Reservation ID: #10

Check-in: Jul 01, 2025

Check-out: Jul 03, 2025

Guests: 1 guest

Total Price: **\$270.00**

Booked: Jun 29, 2025 at 8:36 pm

Cancel Reservation

Figure 1-2, show booking calculated, confirmation from 'ReservationSummaryServlet'.


Logout

Figure 3 Shows 'Logged in.' status

Moffat Bay Lodge – Functional Test Plan

Moffat Bay Lodge
Home
Cabins
Attractions
About
Contact
Account
Logout

Reserve Your Room



Queen Room
Spacious queen-bed cabin with a private balcony and great views.

\$135/night


Guests:

Check-In:

Check-Out:

Estimated Total: **\$135.00**

Reserve Queen



King Room
Luxurious king-bed suite with fireplace and lakeside view.

\$160/night


Guests:

Check-In:

Check-Out:

Estimated Total: **\$0.00**

Reserve King



Double Full
Two full beds, perfect for families or groups.

\$120/night

Guests:

Check-In:

Check-Out:

Estimated Total: **\$0.00**

Reserve Double Full

Figure 4 Room Type is saved & displayed properly

Test 3	Room Reservation for King Room			
	Test Objective: To verify that a valid King Room reservation is processed correctly, including accurate pricing and form submission behavior.	Developer: Date tested: <yyyy/mm/dd>	Peer tester: Tatiana Tan Date tested: 2026/06/29>	
Step	Action	Expected results:	Developer pass/fail	Tester pass/fail

Moffat Bay Lodge – Functional Test Plan

1	Navigate to Reservation Page	Page loads with all options available	<yes/no>	<yes/no>
2	In the King Room section, enter 2 for guests.	Input field accepts number 2	<yes/no>	<yes/no>
3	Set Check-in date as 07/01/2025 and Check-out as 07/05/2025	Dates accepted with no errors.	<yes/no>	<yes/no>
4	Click Reserve “King” Button	Total cost shows \$640.00 and confirmation alert/message displays	<yes/no>	<yes/no>
5	Verifies no errors on the page or resets or disables.	Page behaves as expected (e.g. clears fields or confirms booking)	<yes/no>	<yes/no>
Comments				

Test 4	Invalid Check-Out Date Entry For Double Full Room Reservation			
	Test Objective: To ensure valid date inputs such as check in check out are correctly handled to prevent submission until fixed	Developer: Date tested: <yyyy/mm/dd>	Peer tester: Tatiana Tan Date tested: <2025/06/29>	
Step	Action	Expected results:	Developer pass/fail	Tester pass/fail
1	Navigate to Reservation Page	Page loads with all options visible	<yes/no>	<yes/no>
2	In the Double Full Room section, enter 4 guests	Input fields accept number 4	<yes/no>	<yes/no>
3	Set check in date as 7/10/2025 and check out date as 7/08/2025	Validation error displays for invalid date range	<yes/no>	<yes/no>
4	Click “Reserve Double Full Button”	Reservation does not proceed; user is prompted to correct the dates.	<yes/no>	<yes/no>
5	Correct the checkout date to 7/12/2025 and resubmit the form.	Reservation accepts with updated total and success message	<yes/no>	<yes/no>
Comments				