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	

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For each test, the <u>developer</u> 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 <u>peer tester</u> 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  Action	Developer: Date tested: <yyyy dd="" mm="">  Expected results:</yyyy>	Peer tester: Tazmin Somerville Date tested: <2025/06/29>	
			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>	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>	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>	yes
3	Enter number of guests (e.g., 2)	Input is accepted without error	<yes no=""></yes>	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>	yes
5	Click the Confirm Reservation button	Routed to 'My Reservations'	<yes no=""></yes>	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 dd="" mm=""></yyyy>	Peer tester: Tazmin Somerville Date tested: <2025/06/29>

	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>	yes
1	Navigate to the Room Reservation page	Reservation form loads correctly	<yes no=""></yes>	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>	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>	yes
4	Fill all fields except check-out date and try to submit	The form displays validation error specific to missing check-out date	<yes no=""></yes>	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>	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.			

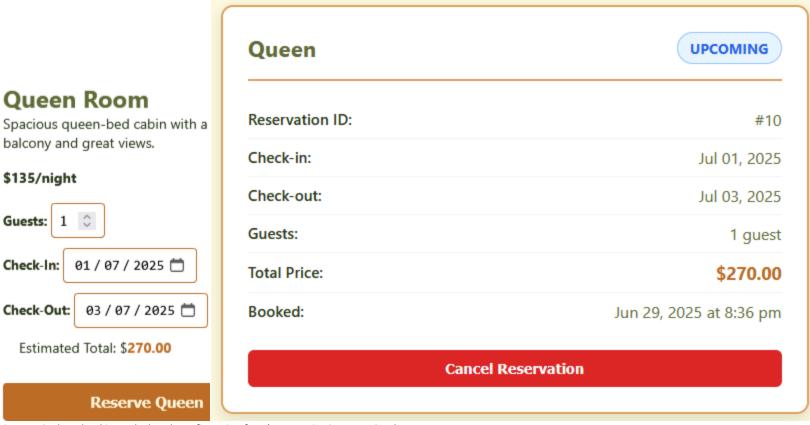


Figure 1-2, show booking calculated, confirmation from Reservation Summary Servlet.



Figure 3 Shows 'Logged in.' status

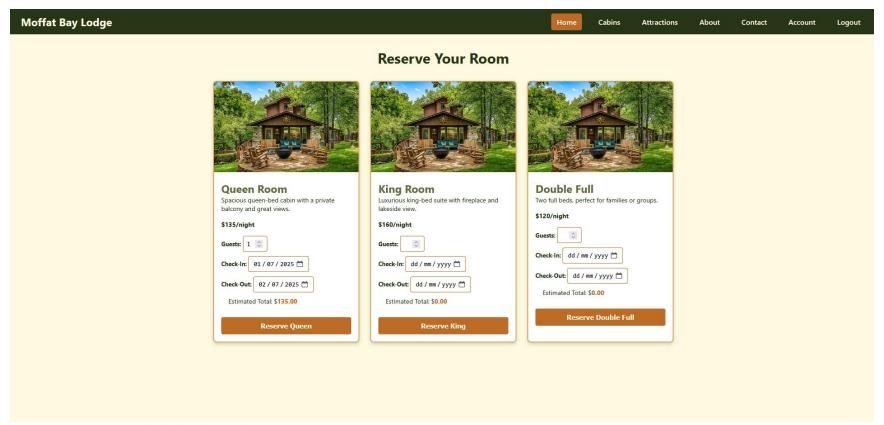


Figure 4 Room Type is saved & displayed properly

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

1	Navigate to Reservation Page	Page loads with all options available	<yes no=""></yes>	<yes no=""></yes>
2	In the King Room section, enter 2 for guests.	Input field accepts number 2	<yes no=""></yes>	<yes no=""></yes>
3	Set Check-in date as 07/01/2025 and Check-out as 07/05/2025	Dates accepted with no errors.	<yes no=""></yes>	<yes no=""></yes>
4	Click Reserve "King" Button	Total cost shows \$640.00 and confirmation alert/message displays	<yes no=""></yes>	<yes no=""></yes>
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>	<yes no=""></yes>
Comments			•	•

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