Test Plan: Room Reservation Page & Backend Testing

Description: Test cases to verify UI and backend functionality of the room reservation page and reservation handling code.

Date: 09/08/2025

Course: CSD-460

Module: 7

Group Members: Christopher Reaney, Rachel Shaw, Jason Schriner, Mark White

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Test 1 – Access Reservation Page via Navigation Link

Objective: Ensure functionality of 'Access Reservation Page via Navigation Link'.

Developer	Rachel Shaw
Date tested	9/14/2025
Peer tester	Christopher Reaney
Date tested	09/14/2025

Step	Action	Expected Results	Developer Pass/Fail	Tester Pass/Fail	Comments
1	Navigate to the website and click 'Reserve a Room' link from navigation bar.	Reservation page loads correctly with form fields (name, email, check-in, check-out, room type).	pass	Pass	Seems to work
2	Verify page title and heading.	Title displays 'Room Reservation'.	Pass – Title of page says "Moffat Bay Lodge" but the title of the form is clear.	pass	Title is MoffatBayLodge, but that's ok

Test 1 – Access Reservation Page via Navigation Link

Test 2 – Submit Reservation with Valid Data

Objective: Ensure functionality of 'Submit Reservation with Valid Data'.

Developer	Rachel Shaw
Date tested	09/14/2025

Peer tester	Christopher Reaney
Date tested	09/14/2025

Step	Action	Expected Results	Developer Pass/Fail	Tester Pass/Fail	Comments
1	Fill in all required fields with valid data (dates, room type, name, email).	Data is accepted.	pass	pass	
2	Click 'Submit Reservation'.	User is redirected to confirmation page with reservation details.	pass	pass	
3	Check confirmation page	Confirmation page loads successfully and information is accurate	pass	pass	Some grammatical errors. Has been fixed.

Reservation Summary

Name:	Rachel Shaw
Email:	rachel.emily002@gmail.com
Phone:	878-999-2345
Check-In:	2025-09-23
Check-Out:	2025-09-27
Guests:	3
Room Type:	Bay View Suite
Length Of Stay	4 nights
TotalPrice	$1200

Is this correct?

[Yes! Confirm Reservation]   [No. Take me back]

Test 3 – Submit Reservation with Missing/Invalid Data

Objective: Ensure functionality of 'Submit Reservation with Missing/Invalid Data'.

Developer	Rachel Shaw
Date tested	09/14/2025
Peer tester	Christopher Reaney
Date tested	09/14/2025

Step	Action	Expected Results	Developer Pass/Fail	Tester Pass/Fail	Comments
1	Leave required fields blank (e.g., email).	Validation error message displayed.	pass		
2	Enter invalid email format.	System rejects invalid email format with error.	Pass –user email is pulled directly from their account to use as an identifier.		

Book a Reservation

First Name: Rachel   Last Name: Shaw
Email: rachel.emily002@gmail.com
Phone: [ ]
Check⚠ Please fill out this field.
Check-
Number of Guests: 1
Room Type: Bay View Suite ▾

Submit Reservation

Test 4 – Check Reservation Conflicts (Overlapping Dates)
Objective: Ensure functionality of 'Check Reservation Conflicts (Overlapping Dates)'.

Developer	Rachel Shaw
Date tested	09/14/2025
Peer tester	Christopher Reaney
Date tested	09/14/2025

Step	Action	Expected Results	Developer Pass/Fail	Tester Pass/Fail	Comments
1	Reserve Room A from 10/01/2025 to 10/05/2025.	Reservation successful.	pass	pass	
2	Try to reserve Room A again for overlapping dates (10/03/2025 to 10/04/2025).	System rejects with conflict error message.	pass	pass	

Test 5 – Verify Database Entry for Reservation

Objective: Ensure functionality of 'Verify Database Entry for Reservation'.

Developer	Rachel Shaw
Date tested	09/14/2025
Peer tester	Christopher Reaney
Date tested	09/14/2025

Step	Action	Expected Results	Developer Pass/Fail	Tester Pass/Fail	Comments
1	Submit a valid reservation.	Reservation is saved in database.	pass	pass	
2	Query the reservations table for the new entry.	Reservation record exists and matches submitted data.	pass	pass	

reservation_id	customer_id	suite_id	check_in	check_out	length_of_stay	number_of_guests	status	created_at
1	1	4	2025-09-01	2025-09-05	4	2	confirmed	2025-08-30 20:02:48
2	2	1	2025-09-10	2025-09-12	2	1	complete	2025-08-30 20:02:48
3	3	6	2025-09-15	2025-09-20	5	3	confirmed	2025-08-30 20:02:48
4	4	2	2025-10-01	2025-10-07	6	2	cancelled	2025-08-30 20:02:48
5	5	3	2025-10-15	2025-10-18	3	4	confirmed	2025-08-30 20:02:48
17	3	2	2025-09-20	2025-09-24	2	0	confirmed	2025-09-12 16:07:42
18	3	2	2025-09-25	2025-09-26	2	0	confirmed	2025-09-12 16:08:33
21	7	1	2025-09-17	2025-09-26	9	2	confirmed	2025-09-12 21:33:43
22	7	1	2025-09-17	2025-09-26	9	2	confirmed	2025-09-12 21:35:21
23	7	1	2025-09-17	2025-09-26	9	2	confirmed	2025-09-12 21:37:09
24	7	1	2025-09-01	2025-09-03	2	2	confirmed	2025-09-12 23:27:56
25	7	1	2025-11-14	2025-11-17	3	3	confirmed	2025-09-14 20:10:20

12 rows in set (0.00 sec)

Test 6– Reservation Page Responsiveness

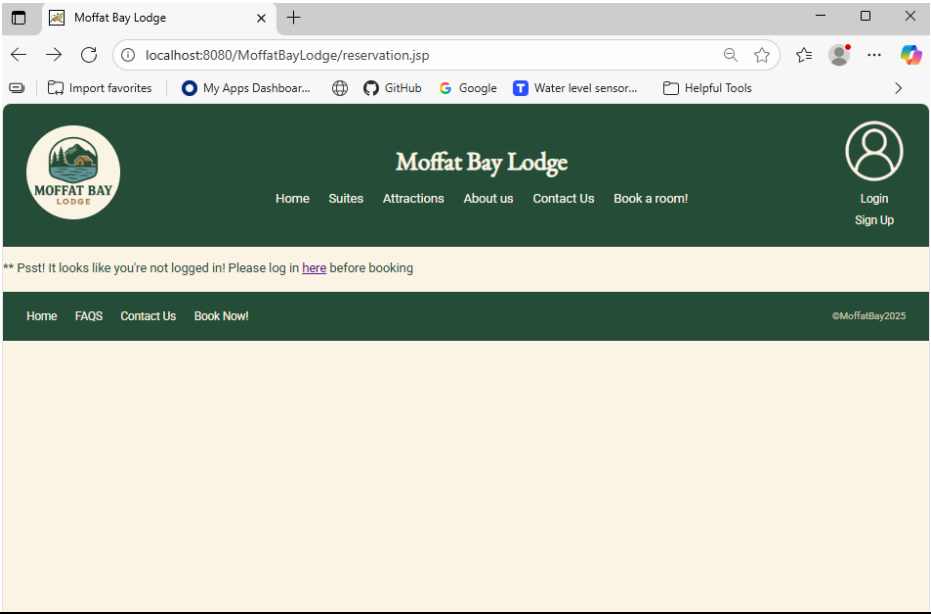Objective: Ensure functionality of 'Reservation Page Responsiveness'.

Developer	Rachel Shaw
Date tested	09/14/2025
Peer tester	Christopher Reaney
Date tested	09/14/2025

Step	Action	Expected Results	Developer Pass/Fail	Tester Pass/Fail	Comments
1	Resize browser to desktop, tablet, and mobile widths.	Layout adjusts without breaking form or buttons.	pass	pass	
2	Test form fields and submission on mobile view.	Form works correctly in responsive mode.	pass	Pass	

Test 7– Security: Prevent Unauthorized Reservations

Objective: Ensure functionality of 'Security: Prevent Unauthorized Reservations'.

Developer	Rachel Shaw
Date tested	09/14/2025
Peer tester	Christopher Reaney
Date tested	09/14/2025

Step	Action	Expected Results	Developer Pass/Fail	Tester Pass/Fail	Comments
1	Try to submit reservation while not logged in (if	Redirected to login page.	pass	Pass	Doesn't go back to index page, but instead suggests

	login required).				that we login. I like that better.
2	Attempt to alter reservation ID in URL to another user's reservation.	System denies access with error/redirect.	pass	pass	Doesn't appear to be accessible at all without being logged in, so that seems good