



Moffat Bay Lodge Presentation

CSD 460

Professor John Woods

Module 11

7/20/25

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Tatiana Tan, and Paul Romer**



Introduction

GROUP 4 TEAM MEMBERS:

WILLIAM RENARD, FROM TEXAS, GRADUATING AUGUST 2025

JULIE SAKAI, FROM HAWAI'I, GRADUATING JULY 2025

TAZMIN SOMERVILLE, GRADUATING OCTOBER 2025

TATIANA TAN, FROM CALIFORNIA GRADUATING JULY 2025

PAUL ROMER, FROM TEXAS, GRADUATING OCTOBER 2025





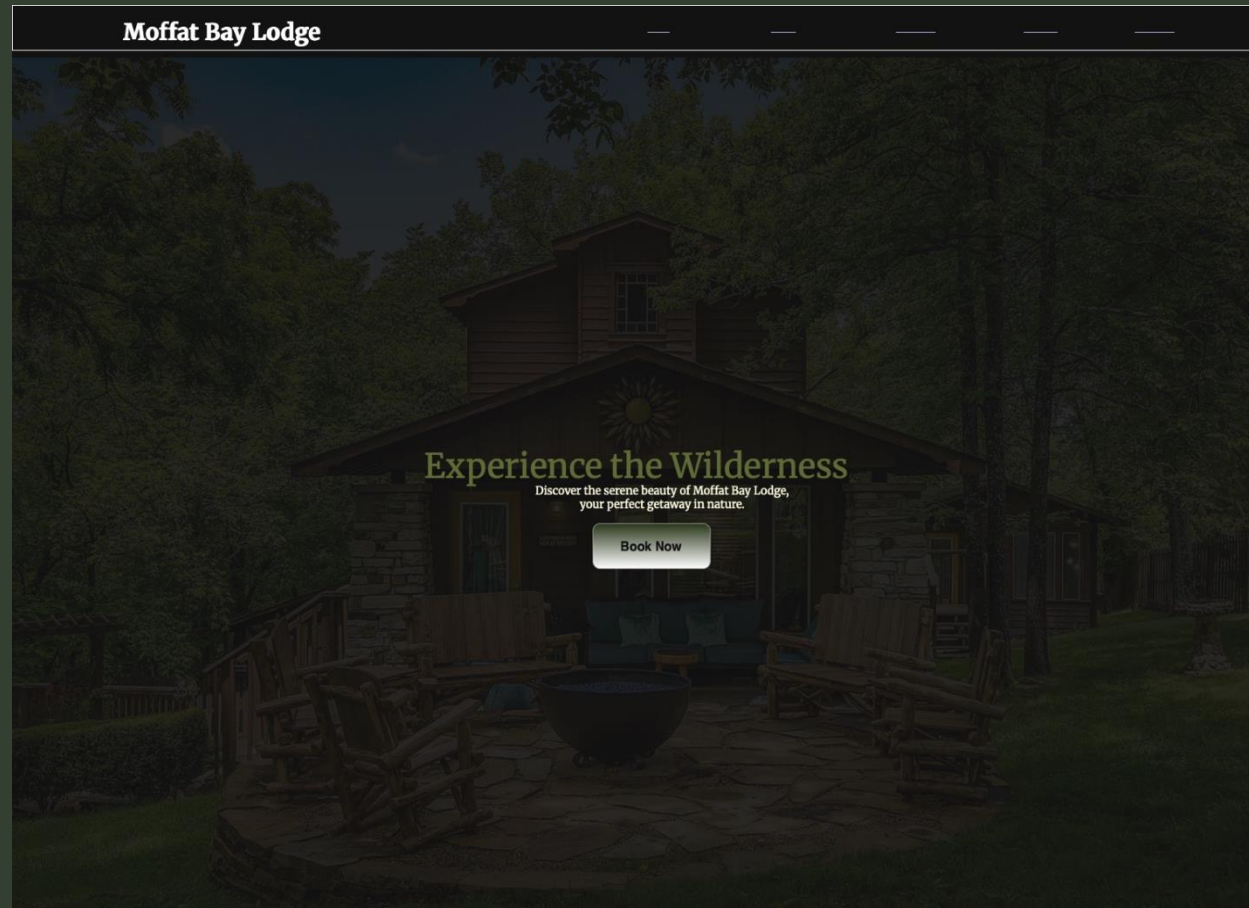
SAMPLE PROTOTYPES

Sample Prototypes

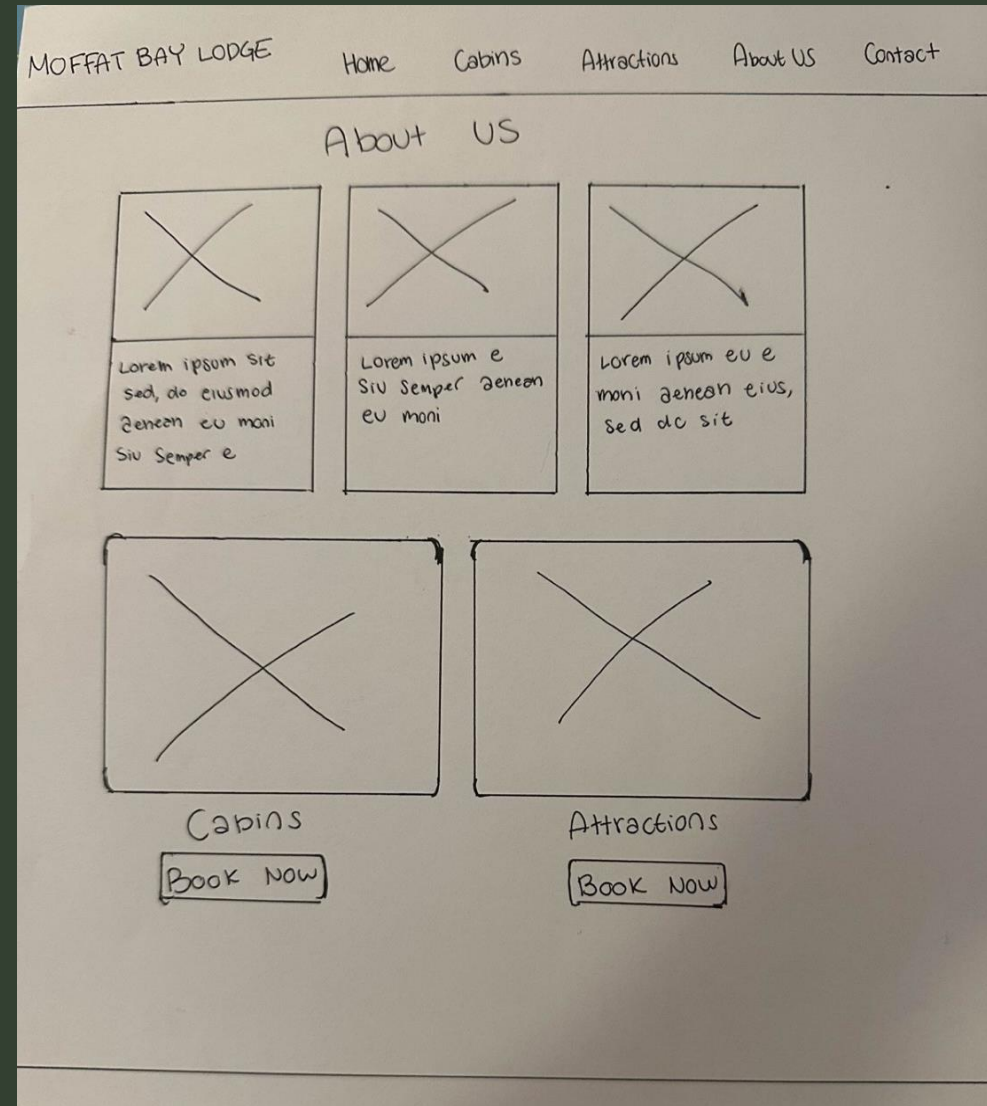
- Color Palette and Fonts
 - Logo/Headers -> Merriweather
<https://fonts.google.com/specimen/Merriweather?sort=popularity>
 - Body/Paragraph -> Noto Sans
<https://fonts.google.com/noto/specimen/Noto+Sans?sort=popularity>



Sample Prototypes: Landing Page



Sample Prototypes: About Us Page




Sample Prototypes: Contact Us Page

MOFFAT BAY LODGE

Home Cabins Attractions About Us Contact

Contact US

 Phone number
(123) 456-7890


Contact US Form

Full Name *

Email *

Subject *

Message *

 Attach Files

Send

Sample Prototypes: Cabin Selection Page

MOFFAT BAY LODGE

Home Cabins Attractions About Us Contact

Cabin Selection

Filter By:

Cabin Size ✓ Amenities ✓ Price ✓

<input checked="" type="checkbox"/>	Pine Cabin Studio \$100 per night	View Details
<input checked="" type="checkbox"/>	Cedar Cabin One-bedroom \$200 per night	View Details
<input checked="" type="checkbox"/>	Maple Cabin Two-bedroom	View Details


Sample Prototypes: Cabin Availability Page

MOFFAT BAY LODGE


Home Cabins Attractions About Us Contact

Cabin Availability



Check In

 Add dates



Check Out

 Add dates

Adult(ies)

 2 

children

 0 

Cabin Size

Cabin Size A

Find Cabin

June 2025

July 2025

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Studio

Standard

Deluxe

Cabin Size V

Submit

Sample Prototypes: Reservation Summary Page

Moffat Bay Lodge

Home Cabins Attractions About Contact Login

Your Stay is Confirmed!

Reservation ID: 123456

Room Type: Queen

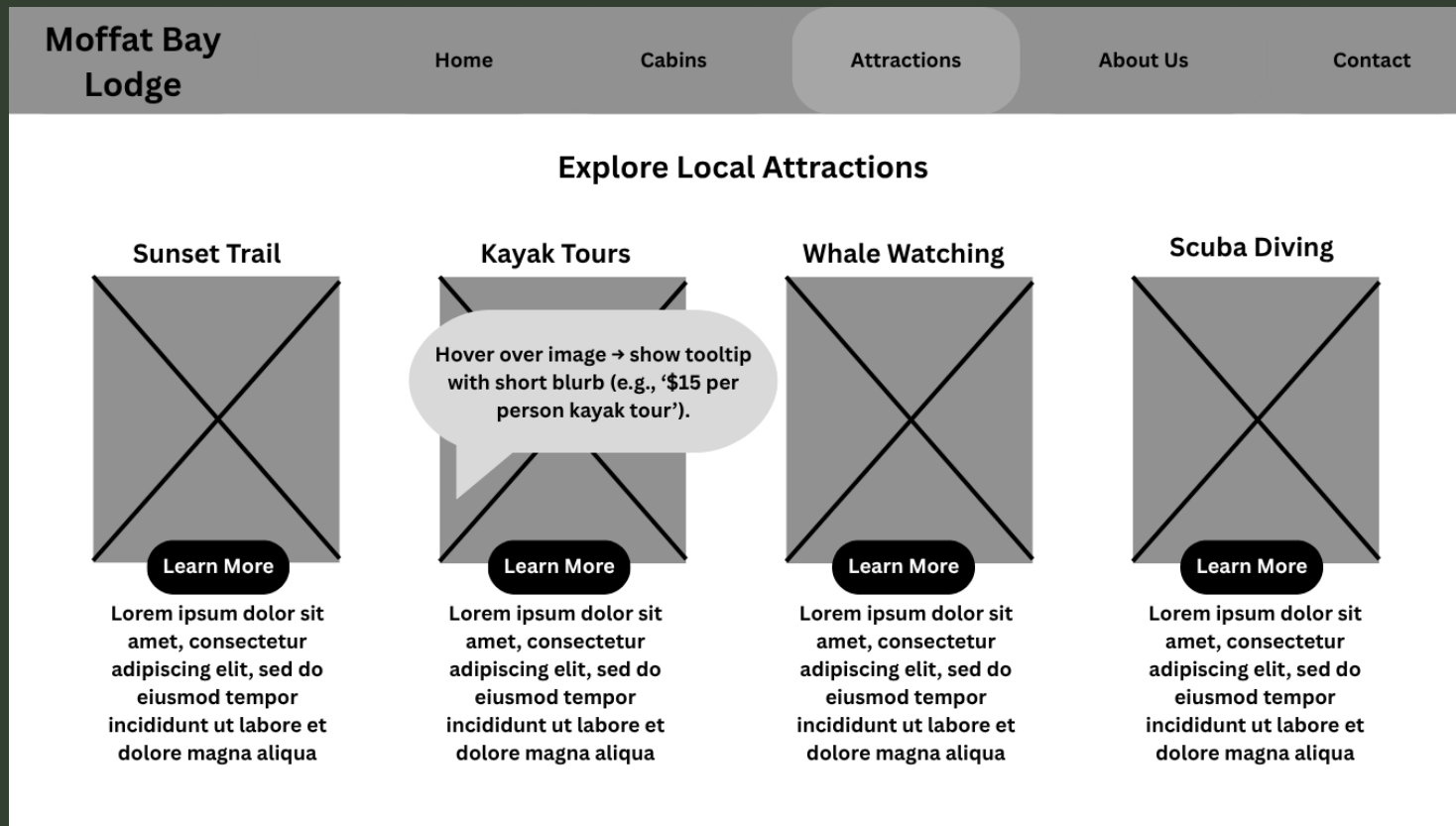
Guests: 2

Check-In: 2025-07-15

Check-Out: 2025-07-20

Cancel

Sample Prototypes: Attraction Page



Sample Prototypes: Reservation Look Up Page

Moffat Bay Lodge

HomeCabinsAttractionsAbout UsContact

Reservation Lookup

You must be logged in to view your reservations.

Logged in as: **Jamie Lee** (jamie@email.com)

Filter by Reservation ID (optional):

e.g., 9876543210

Reservation ID: 123456

Room Type: Queen

Guests: 2

Check-In: 2025-07-15

Check-Out: 2025-07-20

Reservation ID: 789012

Room Type: King

Guests: 4

Check-In: 2025-08-05

Check-Out: 2025-08-10

Sample Prototypes: Registration Page

Moffat Bay Lodge Home Cabins Attractions About Contact login

First Name

Last name

email

Phone #

Password

Sample Prototypes: Login Page

A hand-drawn prototype of a login page for 'Moffat Bay Lodge'. The page is set against a dotted grid background. At the top left, the site name 'Moffat Bay Lodge' is written in a handwritten font, with a small triangle icon below it. To the right of the site name is a horizontal navigation menu with the following links: 'Home', 'Cabins', 'Attractions', 'About', 'Contact', and 'Login'. Below the navigation menu, there are two input fields: one for 'Username' and one for 'Password'. At the bottom of the form, there are two buttons: 'Login' and 'Register'.

Moffat Bay Lodge

Home Cabins Attractions About Contact Login

Username

Password

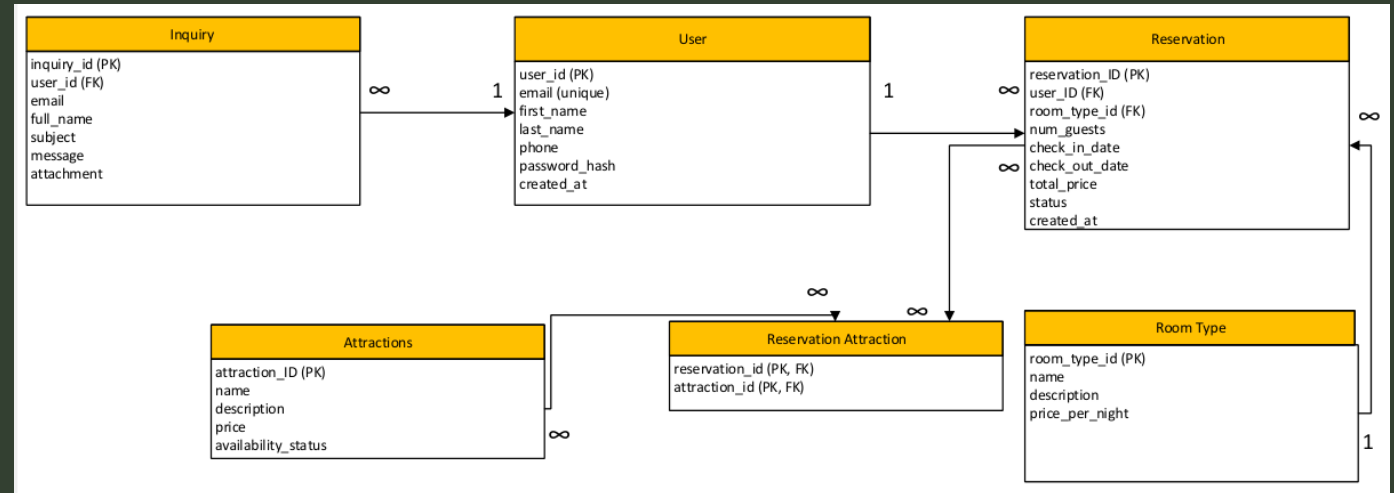
Login Register



ERD

ERD

- This ERD guided our database structure, supporting user registration, cabin bookings, and reservation summaries.



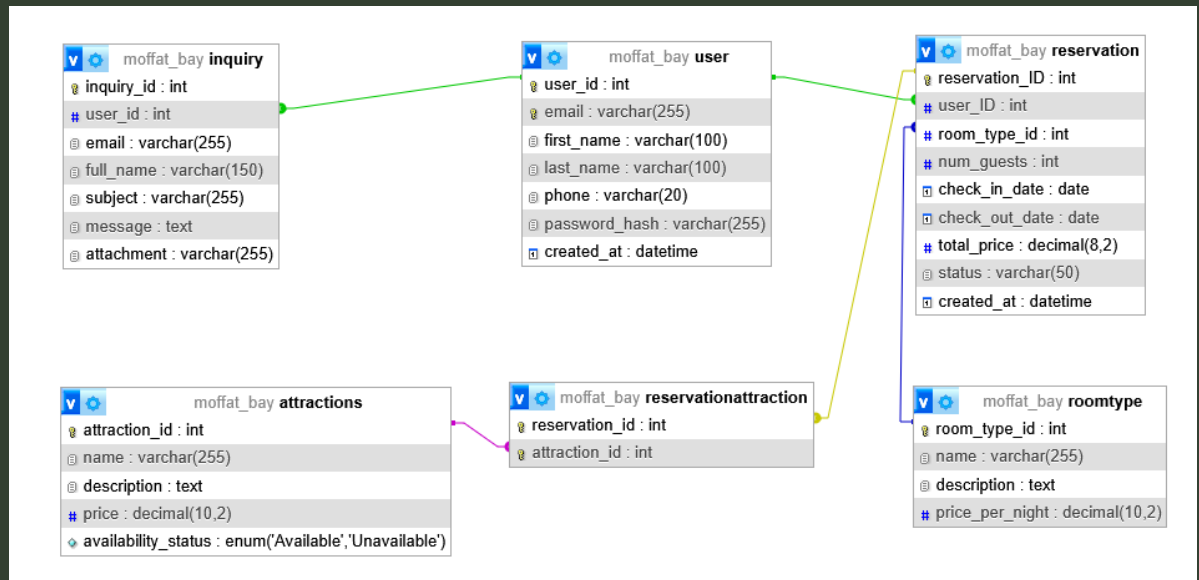
ERD

ERD at Project Start



This ERD guided our early database design, focusing on core tables for user registration, and reservation management

Deployed Database Structure

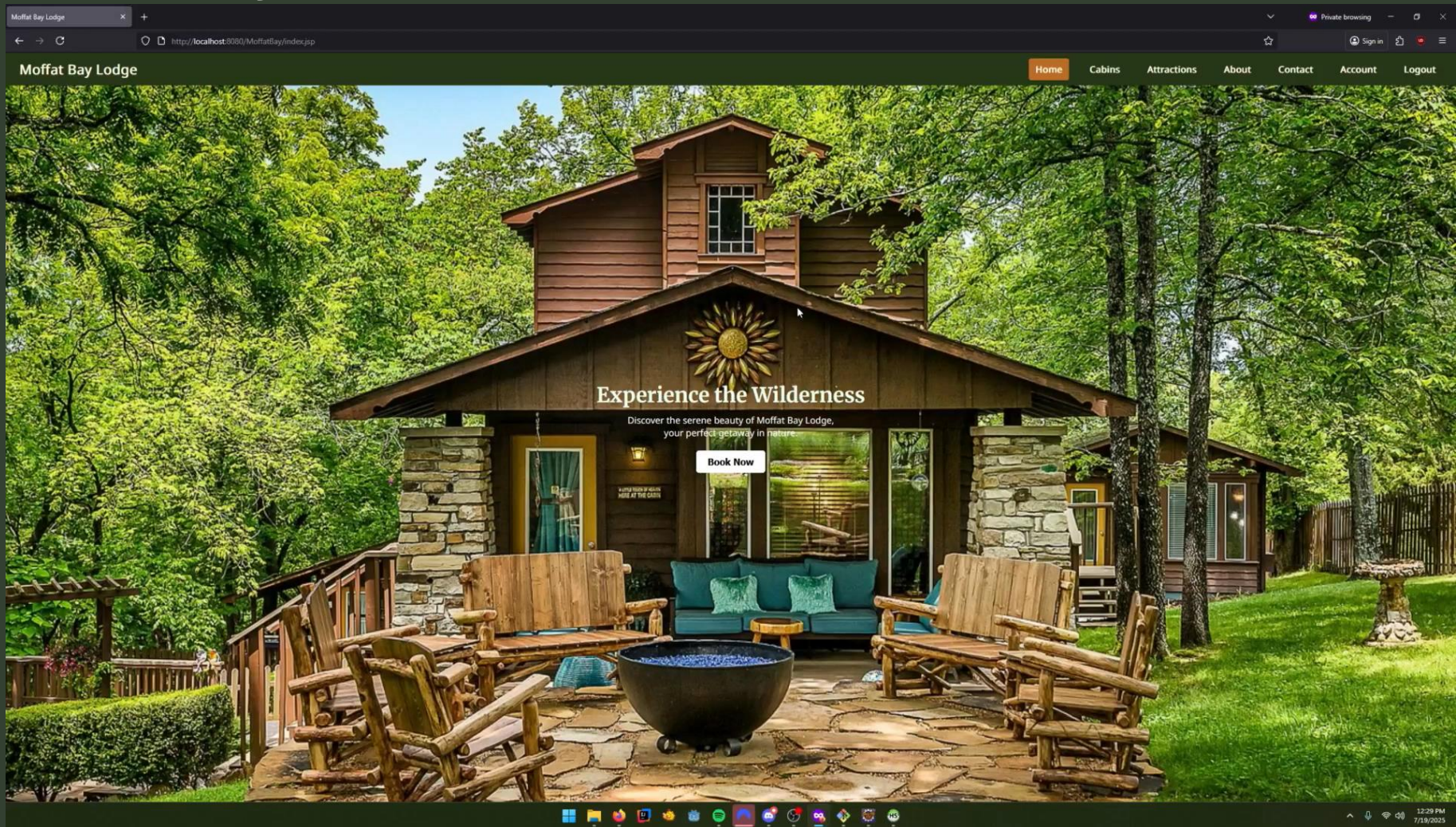


Schema closely follows ERD with minor updates based on evolving project requirements



Screen Capture

Screen Capture





Description and Results

TEST 1: Landing Page




TEST 1 Landing Page

Test 1	Landing Page Loads and Links Work			
	Test Objective: Landing page loads and links work	Developer: Date tested: <yyyy/mm/dd>	Peer tester: Paul Romer Date tested: 2025/06/22	
Step	Action	Expected results:	Developer pass/fail	Tester pass/fail + Screenshot
1	Navigate to project root	See the landing page	<yes/no>	yes
2	Cabins	Navigate to and see the cabins page	<yes/no>	no
3	Attractions	Navigate to and see the attractions page	<yes/no>	no
4	About	Navigate to and see the about page	<yes/no>	no
5	Contact	Navigate to and see the contact page	<yes/no>	no
6	Login	Navigate to and see the login page	<yes/no>	no
Comments	Step one worked just as expected. Step 2-6 all failed, but that's expected at this point in the project. The only one that failed and shouldn't is the login page. We'll need to update the routing to unify everyone's pages.			


Test 2: About Us Page

Moffat Bay Lodge[Home](#)[Cabins](#)[Attractions](#)[About](#)[Contact](#)[Login](#)


About Us



Experience Moffat Bay Lodge where the outdoors come alive. Surrounded by forest, water, and open skies, every stay blends natural beauty with adventure.




Whether you're venturing out on your own or visiting with family, Moffat Bay Lodge offers a break from the everyday. With comfortable cabins, a friendly atmosphere, and a setting immersed in nature, it's a place to step away from distractions and enjoy what's right in front of you.




From kayaking along the lake to guided hikes through forest trails, Moffat Bay Lodge offers plenty of ways to enjoy the outdoors.

Ready to Book?



Cabins
[Book Now](#)



Attractions
[Book Now](#)

Test 2 About Us page


Test 3	About Us Page Displays Properly			
	Test Objective: Ensure the "About Us" page loads properly and maintain the page state	Developer: Date tested: <yyyy/mm/dd>	Peer tester: Tatiana Tan Date tested: <2025/06/28>	
Step	Action	Expected results:	Developer pass/fail	Tester pass/fail
1	Click the "About Us" link from the homepage Nav Bar	The About Us Page loads correctly without errors and scrolls smoothly.	<yes/no>	Yes
2	Confirm the main header text appears.	The heading text "About Us" is visible, centered, and styled correctly.	<yes/no>	Yes
3	Scroll down and read the paragraph content	Each paragraph is readable, formatted properly, and without spelling errors.	<yes/no>	Yes
4	Check that the company images are displayed	Images appear correct with consistent sizing.	<yes/no>	Yes
5	Refresh the About Us Page	Page is able to reload properly without any 404 or layout shift.	<yes/no>	Yes
Comments	The "About Us" page performs as expected. The content loads smoothly and looks consistent throughout the page. One step further would make sure consistency follows with mobile devices.			

TEST 3: Room Reservation

Moffat Bay Lodge

HomeCabinsAttractionsAboutContactAccountLogout

Reserve Your Room



Queen Room

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

\$135/night


Guests: 1

Check-In: 01 / 07 / 2025

Check-Out: 02 / 07 / 2025

Estimated Total: \$135.00

Reserve Queen



King Room

Luxurious king-bed suite with fireplace and lakeside view.

\$160/night


Guests: 1

Check-In: dd / mm / yyyy

Check-Out: dd / mm / yyyy

Estimated Total: \$0.00

Reserve King



Double Full

Two full beds, perfect for families or groups.

\$120/night

Guests: 1

Check-In: dd / mm / yyyy

Check-Out: dd / mm / yyyy

Estimated Total: \$0.00

Reserve Double Full

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 3-2, show booking calculated, confirmation from ReservationSummaryServlet.

Logout

Figure 3 Shows "Logged in." status

TEST 3 Room Reservation

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 4: Reservation Look-Up

Moffat Bay Lodge

Home

Cabins

Attractions

About

Contact

Account

Logout

Lookup Reservation

Reservation Number:

or Email Address:

Enter either your reservation number or your email address.

Lookup

Reservation #21

Guest: Paul

Room Type: Queen

Check-In: 2025-07-01

Check-Out: 2025-07-05

Guests: 4

Total Price: \$540.00

Back to Cabins

Lookup Reservation

No reservation found with that number.

Reservation Number:

or Email Address:

Enter either your reservation number or your email address.

Lookup

TEST 4: Reservation Look-Up

Test 3	Reservation Look-Up by Reservation Number			
	Test Objective: Navigate to the reservation look-up page and search by reservation number.	Developer: Date tested: <yyyy/mm/dd>	Peer tester: Paul Romer Date tested: 2025-07-06	
Step	Action	Expected results:	Developer pass/fail	Tester pass/fail
1	Navigate to localhost:8080/MoffatBay	See the Moffat Bay home page (index.jsp)	<yes/no>	Yes
2	Click on Cabins	Be taken to login.jsp if not logged in. If logged in see reservation.jsp with the cabins and reservation look up	<yes/no>	Yes
3	Enter username and password and login	Taken to reservation.jsp. Should see the cabins and reservation lookup.	<yes/no>	No
4	Click "Reservation Look Up"	Taken to reservationLookup.jsp. See option to search by reservation number or email.	<yes/no>	Yes
5	Enter reservation number	If reservation exists, see the reservation details. If it doesn't exist show 'No reservation found with that number'	<yes/no>	Yes
Comments	The majority of the tests passed. Ultimately the functionality is there. I was able to navigate to and search for a reservation with the reservation number. The test that didn't pass, was the expected behavior of logging into the website from the cabins page. I was navigated to the index.jsp instead of reservations.jsp. Something we should look at.			

TEST 5: Attraction Page

it Bay Lodge

Home

Cabins

Attractions


About

Contact

Acco

Attractions at Moffat Bay Lodge

To book an attraction, please visit our front desk or inquire during your stay. [Contact Us](#) for more details.




Hiking

Explore scenic trails across lush forests and breathtaking landscapes.

Price: \$30 per person

Status: Available

Add to Stay




Kayaking

Paddle the crystal-clear waters and enjoy peaceful views of the island.

Price: \$45 per hour

Status: Available

Add to Stay




Whale Watching

Join guided tours to spot majestic whales in their natural habitat.

Price: \$60 per person


Status: Seasonal

Add to Stay



Attractions at Moffat Bay Lo

To book an attraction, please visit our front desk or inquire during your stay. [Co](#)




Hiking

Explore scenic trails across lush forests and breathtaking landscapes.

Price: \$30 per person

Status: Available

Add to Stay




Kayaking

Paddle the crystal-clear waters and enjoy peaceful views of the island.

Price: \$45 per hour

Status: Available

Add to Stay



TEST 5: Attraction Page

Test 1	Attraction Page: Selection and Display			
	Test Objective: Navigate Attraction page, select attractions, and confirm that its displayed	Developer: Date tested: <yyy/mm/dd>	Peer tester: Julie Sakai Date tested: 2025/07/09	
Step	Action	Expected results:	Developer pass/fail	Tester pass/fail + Screenshot
1	From the home page (index.jsp) navigate to the Attraction page (attraction.jsp)	Successfully navigates the attraction page, loads correctly, and displays all activities.	<yes/no>	Yes
2	Click the "Add to Stay" for Hiking	Hiking activity was unable to be added to the reservation summary. When hovering over the "Add to Stay" a message reads "Attraction booking available at check-in"	<yes/no>	No
3	Attempt to add the same activity multiple times	The "Add to Stay" button is not operational as attraction booking will be available at check-in. Unable to add activities.	<yes/no>	No
4	Hover over any listed attraction	The attraction card slightly enlarges to indicate which one is being hovered over.	<yes/no>	Yes
5	Navigate from the Attraction Page to the Home page.	Successfully navigate from the Attraction page to the Home page.	<yes/no>	Yes
Comments	The Attraction page loads as expected and presents all listed activities with a clean and scrollable layout. Navigation between the Home and Attraction pages works seamlessly, and the hover effect on activity cards enhances the user experience. However, the "Add to Stay" button does not currently allow users to include attractions in their reservation, which may be confusing.			

Lessons Learned

- Communicate early and often
- Read all requirements and proceed when they are well understood
- Know your tools
- Regular updates and maintenance of the kanban board is key for coordination
- Getting multiple approvals for PRs to main helps avoid breaking changes
- Regular check ins with peers to avoid duplicate tasks or work
- Importance of dividing roles early to streamline workflow

Thank you