Muriwai Holiday Lodges

Muriwai Holiday Lodges online booking-reservation system and a user guide.

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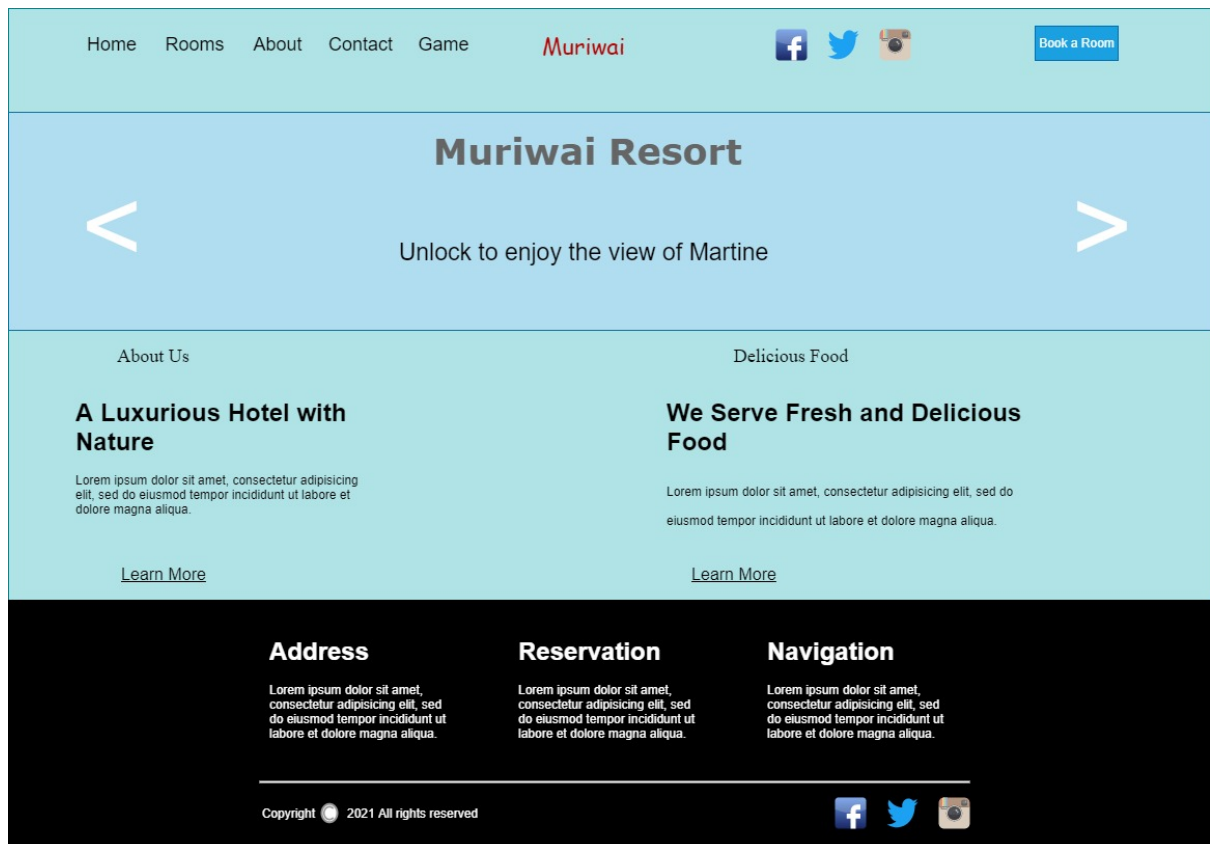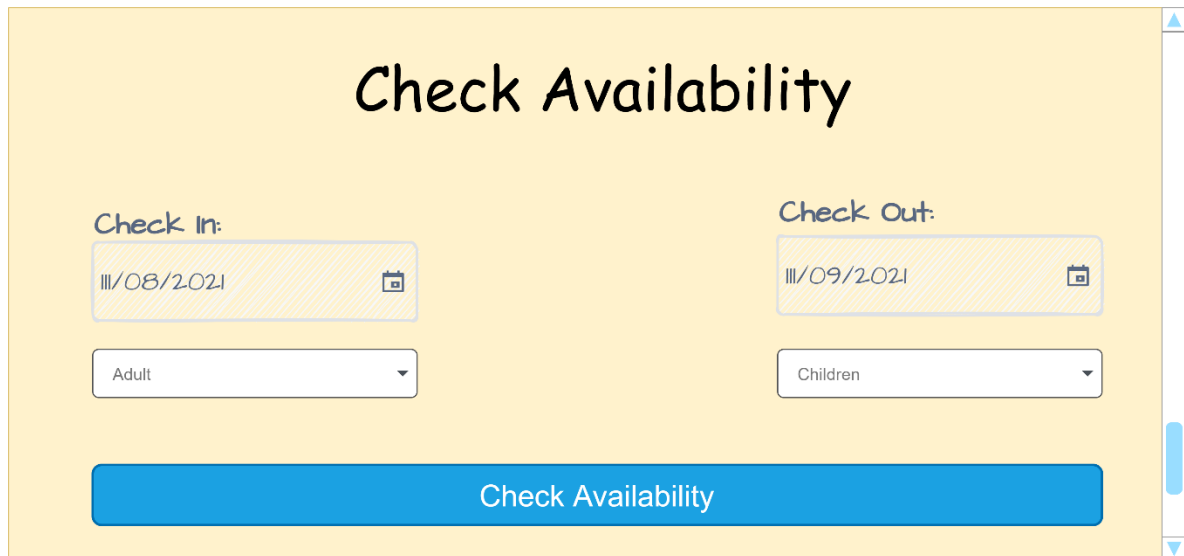
Wireframes and booking steps

Fig1: Main Page Wireframe

Step 1: Click on Book a Room button on the top-right corner of the page to book a room.

Step 2: Check availability pop up box will be displayed.
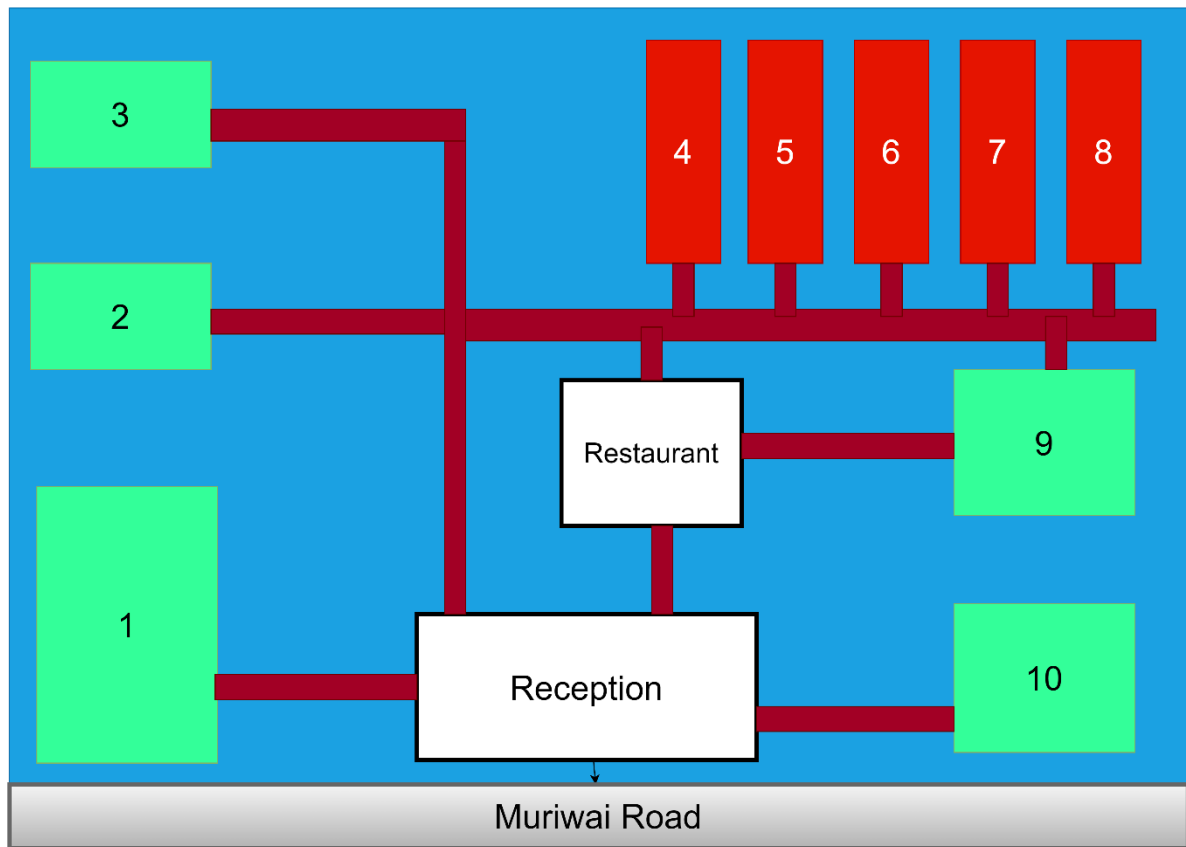
Fig2: Check Availability Wireframe

Step 3: Put your availability in the check in and check out date picker sections.

Step 4: Select the number of adults.(**Note:** You can select maximum of 8 adults at a time).

Step 5: Select the number of children. (**Note:** You can select maximum of 3 children at a time).

Step 6: Press the "Check Availability " button.

Fig3: Muriwai Lodge Map Wireframe

Step 7: Hover on one of the green rooms. You will find the capacity, and rate of the room.

Step 8: Red rooms are not available because it doesn't match the requirements with your capacity.

Step 9: If you click on the red rooms, pop box will show up displaying "Sorry, room is not available".

Step 10: Click on any of the green rooms. You will find the whole booking summary of that room.

Booking Summary

Booking Details

Lorem ipsum dolor sit amet, consectetur
adipisicing elit, sed do eiusmod tempor incididunt
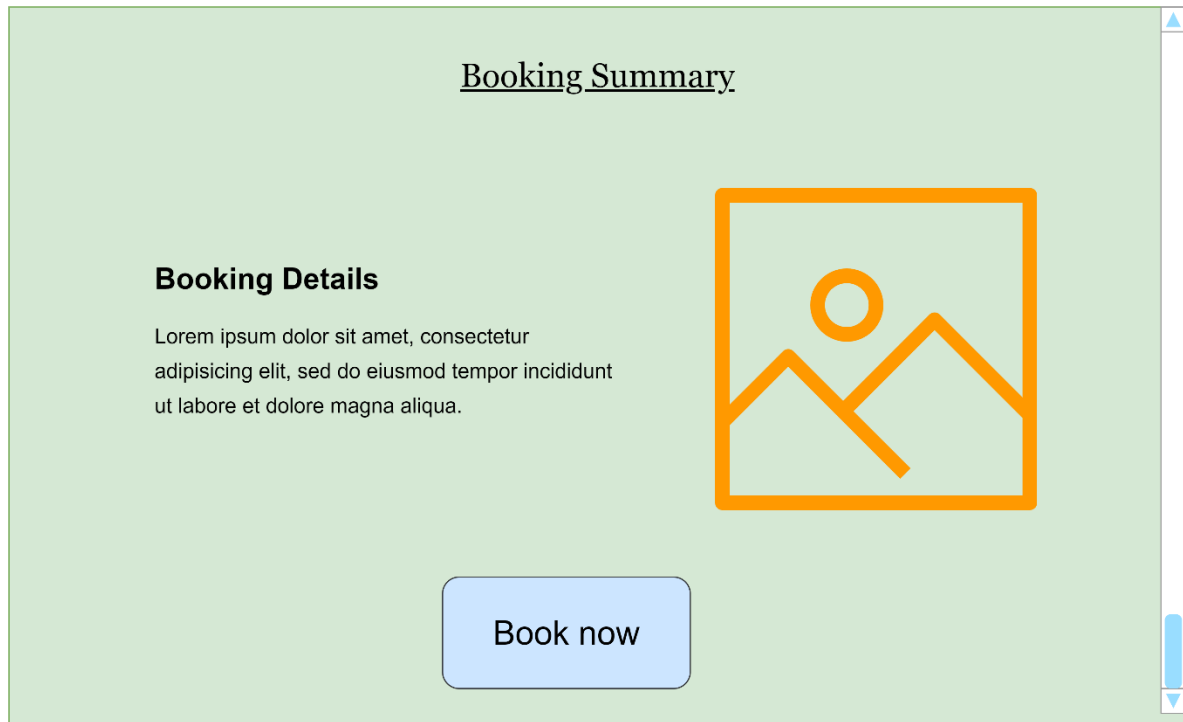ut labore et dolore magna aliqua.

Book now

Fig4: Booking Summary Wireframe

Step 11: You can check and verify all the details like check in and check out date, Room type, Cost, Booking Time, and Number of nights.

Step 12: Click on the book now button to book the room.

Step 13: You will be automatically reverted to the main page.

Testing

1) Users cannot book a lodge with a capacity smaller than the requirements.

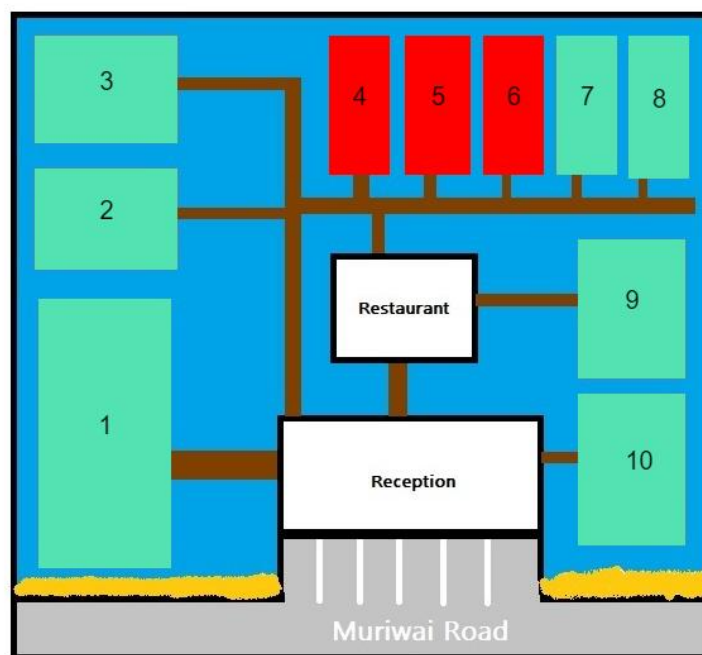| Requirements to test	Test Data Input	Expected Outcomes	Actual Outcomes
Users cannot book a lodge with a capacity smaller than the requirements.	User will click on the red coloured lodges.	Users can't able to book a lodge with a capacity smaller than the requirements without any errors.	The colour of the lodges will turn red that has less capacity than the requirements and if user clicks on it, pop up box will be show displaying "Sorry, room is not available."

Fig5: Testing output 1

2) Three lodges have already been booked, so users cannot book them.

Requirements to test	Test Data Input	Expected Outcomes	Actual Outcomes
Three lodges have already been booked, so users cannot book them.	User will enter only check in and check out dates without selecting number of children and adults and will press the "check availability" button.	User can't book the three pre booked lodges without any errors	In the output, map will show the three red coloured lodges that means the user can't book them.

Hover over the room and click on the available and suitable room

Fig6: Testing output 2

3) A summary of booking will be displayed including arrival date, leave date, lodge number, total cost, and number of people booked.

Requirements to test	Test Data Input	Expected Outcomes	Actual Outcomes
A summary of booking will be displayed including arrival date, leave date, lodge number, total cost, and number of people booked.	User fills all the details and selects one of the available lodges.	The summary is displayed without any errors.	All the details are displayed correctly.

Booking Summary

Check In : 10/11/2021 at 02.00PM
Check Out : 30/11/2021 at 10.00AM
Number of nights : 20
Room ID : 1
Room Type : Presidential
Number of Adults : 1
Room rate : $500/night
Total Cost : $10000
Booking time : 10/11/2021 at 9:58

Book now

Fig7: Testing output 3

4) Check In and Check out date fields restrict input to valid dates.

Requirements to test	Test Data Input	Expected Outcomes	Actual Outcomes
Check In and Check out date fields restrict input to valid dates	User clicks on the date picker	User can only be able to pick the valid dates.	User cannot pick the already passed dates.

Fig7: Testing output 4

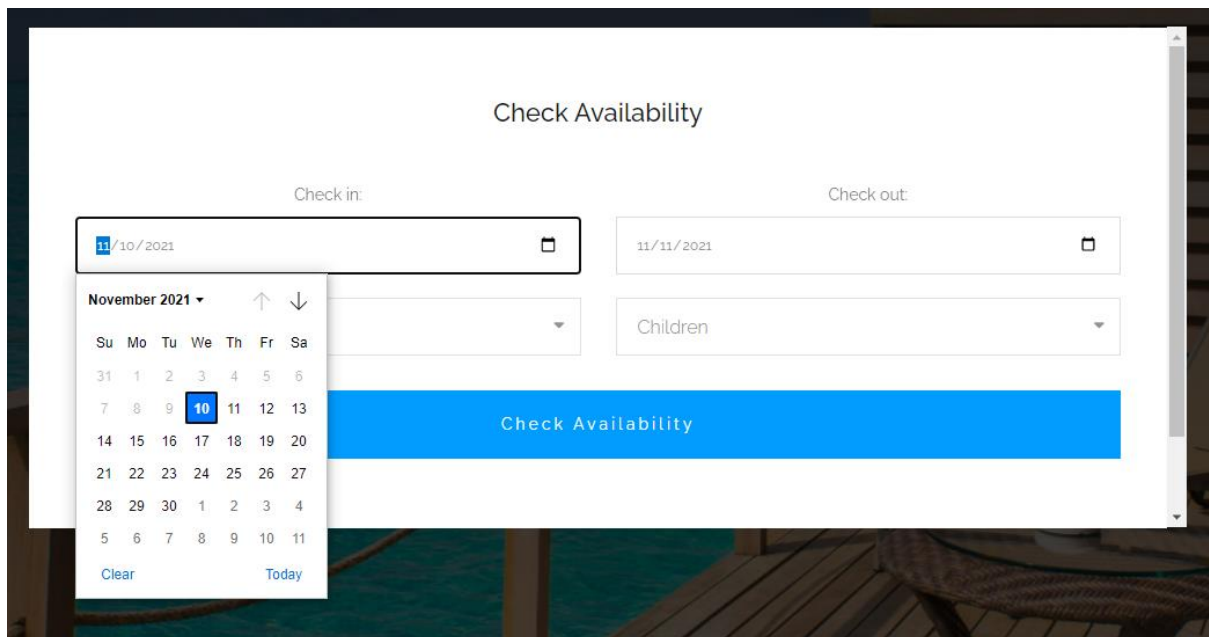# XML Data Design

```
var xml = "<muriwai>"+"<room id='1'>"+
 "<type>Presidential</type>"
 + "<capacity>8</capacity>" +
" <status>vacant</status>" +
 "<cost>500</cost>"+
" <imagepath>123, 275, 105, 213</imagepath>"+
" </room>"+
"<room id='2'>"+
 "<type>Executive</type>"+
 "<capacity>6</capacity>"+
 "<status>vacant</status>"+
 "<cost>400</cost>"+
"<imagepath>120, 172, 113, 80</imagepath>"+
 "</room>"+
"<room id='3'>"+
 "<type>Executive</type>"+
" <capacity>6</capacity>"+
" <status>vacant</status>"+
 "<cost>400</cost>"+
 "<imagepath>120, 67, 113, 85</imagepath>"+
" </room>"+
"<room id='4'>"+
 "<type>Couple</type>"+
" <capacity>2</capacity>"+
 "<status>full</status>"+
 "<cost>250</cost>"+
 "<imagepath>353, 67, 48, 110</imagepath>"+
 "</room>"+
"<room id='5'>"+
" <type>Couple</type>"+
 "<capacity>2</capacity>"+
 "<status>full</status>"+
" <cost>250</cost>"+
 "<imagepath>413, 67, 52, 110</imagepath>"+
 "</room>"+
"<room id='6'>"+
" <type>Couple</type>"+
 "<capacity>2</capacity>"+
 "<status>full</status>"+
 "<cost>250</cost>"+
 "<imagepath>475, 67, 48, 110</imagepath>"+
 "</room>"+
```
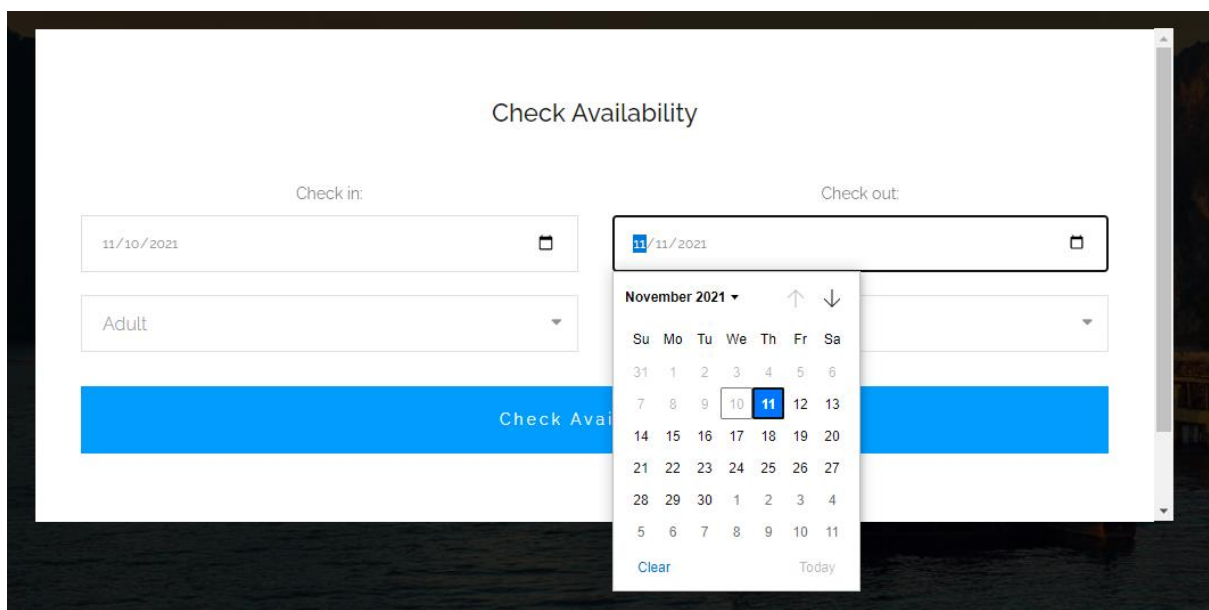
Fig9: XML Data 1

```
"<room id='7'>"+
" <type>Couple</type>"+
"<capacity>2</capacity>"+
"<status>vacant</status>"+
"<cost>250</cost>"+
"<imagepath>533, 67, 48, 110</imagepath>"+
"</room>"+
"<room id='8'>"+
" <type>Superior</type>"+
"<capacity>2</capacity>"+
"<status>vacant</status>"+
"<cost>150</cost>"+
"<imagepath>590, 67, 48, 113</imagepath>"+
"</room>"+
"<room id='9'>"+
" <type>Deluxe</type>"+
"<capacity>4</capacity>"+
"<status>vacant</status>"+
"<cost>250</cost>"+
"<imagepath>550, 228, 85, 110</imagepath>"+
"</room>"+
"<room id='10'>"+
" <type>Signature</type>"+
"<capacity>4</capacity>"+
"<status>vacant</status>"+
"<cost>350</cost>"+
"<imagepath>550, 350, 85, 120</imagepath>"+
"</room>"+
"</muriwai>";
```

Fig10: XML Data 2

Code Explanation:

- Here in the code, we created the Muriwai node followed by some several child nodes. There are total of 10 lodges. Out of which 4 lodges are of couple type, 2 of Executive type.

- Room 1 is the costliest one whereas room 8 is the cheapest one. For each of the lodges, we have got unique room id.

- Smaller sized lodges have capacity of 2 people whereas medium sized lodges have capacity of 4 to 6 people and larger size lodges have capacity of 8 person. It also displays the room rate per night for each of the lodges.

Link on the Landing Page

Here is the link for the landing page:

- http://dochyper.unitec.ac.nz/iwd21s2/5804/JUFENS01IWD/Part1/index.html