

Triple J Royals - Oasis SpaceBar

Project Description

The project aims to develop a mobile application called Oasis SpaceBar, designed to streamline the reservation process for luxury resort stays. This application will support tasks such as checking room availability, comparing different room options, making secure online reservations, and managing bookings. The intended users are individuals and families planning luxury resort stays, as well as travelers seeking a convenient and user-friendly booking experience.

Requirements Summary

1. **User-Friendly Interface:** The application must be simple to navigate and use, providing an intuitive experience for all users.
2. **Availability Checker:** Users should be able to easily check room availability for their desired dates.
3. **Room Comparison:** The app should allow users to compare different room types, amenities, and prices.
4. **Secure Booking:** Users must be able to make secure online reservations with instant confirmation.
5. **Special Requests:** The app should accommodate special requests and preferences, allowing users to personalize their stay.
6. **Booking Management:** Users should be able to view, modify, or cancel their bookings directly from the app.
7. **Accessibility:** The app must comply with accessibility standards to be usable by people with disabilities.
8. **Performance and Reliability:** The app should load quickly, work efficiently, and operate reliably without crashing.
9. **Security:** User data and payment information must be protected with robust security measures.
10. **Integration:** The app should work well with hotel management systems, payment systems, and customer support.

Design Space

What requirements may be difficult to realize?

- **Accessibility Compliance:** Ensuring full compliance with WCAG standards and making the app usable for all disability groups might be challenging.
- **Seamless Integration:** Integrating the app with existing hotel management systems and payment gateways could be complex due to varying standards and protocols.
- **Maintaining Personal Touch:** Balancing automation with personalized service to avoid the app feeling impersonal may be difficult.

What are some tradeoffs that you should or did explore?

- **Automation vs. Personalization:** Emphasizing automation could improve efficiency but may reduce the personal touch that luxury resort guests expect.
- **Feature Complexity vs. Usability:** Adding more features could make the app more comprehensive but might also complicate the user experience.
- **Security vs. Convenience:** Implementing stringent security measures might affect the ease of use and convenience of the booking process.

Which tasks will be easiest to support? Which are the hardest?

- **Easiest:** Checking room availability, comparing room options, and making secure bookings are straightforward with existing technologies and user interfaces.
- **Hardest:** Managing special requests and ensuring seamless integration with various backend systems are more complex due to the need for personalized and context-aware responses.

Design Summary

Design Alternatives Considered:

1. **Full Automation:** A design focusing solely on automation for all booking processes.
 - **Why not pursued:** Lacks personal touch and may not meet luxury service expectations.
2. **Hybrid Model:** A combination of automated booking processes with options for human interaction.
 - **Why pursued:** Balances efficiency with personalized service, catering to diverse user preferences.
3. **Manual System:** An app that mainly facilitates manual interactions with the hotel staff.
 - **Why not pursue: It is inefficient** and does not leverage modern technology to simplify the booking process.
4. **Minimalist Design:** A simple, minimalistic app focusing only on core booking functionalities.
 - **Why not pursued:** Does not provide comprehensive features that luxury resort guests may expect.

Chosen Design: Hybrid Model

- **Justification:** This design approach balances automation and personalization, ensuring efficiency while maintaining high customer service. It allows users to easily perform tasks such as checking availability and making reservations, while also offering options to interact with staff for special requests and assistance. This flexibility caters to a wide range of user preferences and enhances the overall booking experience.

Storyboard

Scenario 1



This Summer is soooo Boring, I want
to go out and do something



"Notification ding"



"Ready for a getaway? Book your
stay at Oasis Beach Resort with our
app!"

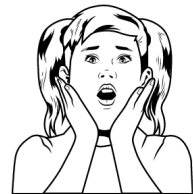
Hmm, that sounds perfect for a
break.



What if this place is close or no
available room

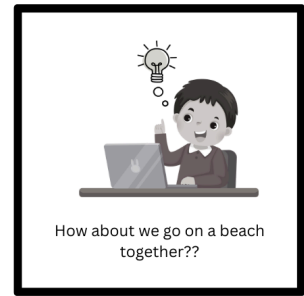
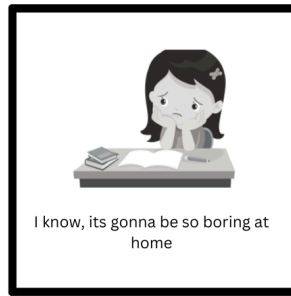


"DOWNLOAD NOW To book our
reservation"

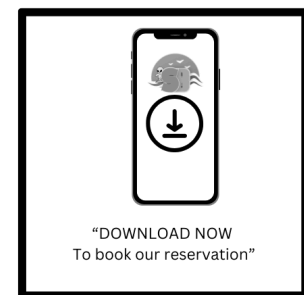
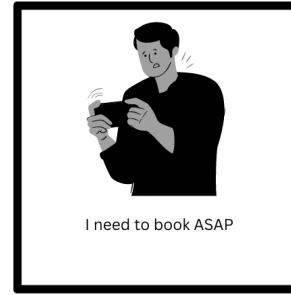
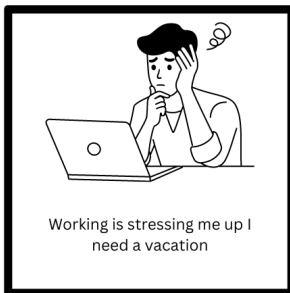


OMG! this is amazing, I will book
now through this app!

Scenario 2

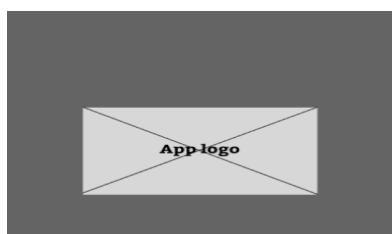


Scenario 3



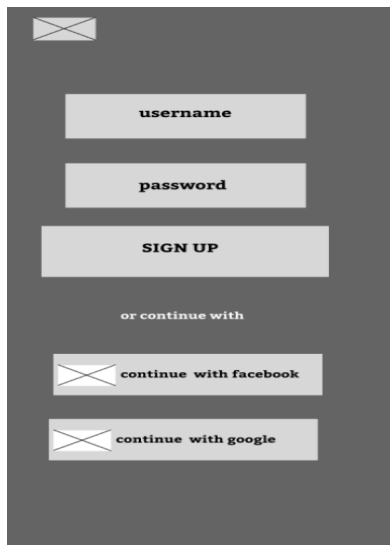
Mock Up

The team will be presenting a prototype of the application using a Figma design. This design is just a preliminary version meant to show how the app will work. We'll add more features once we've fully reviewed the survey data.



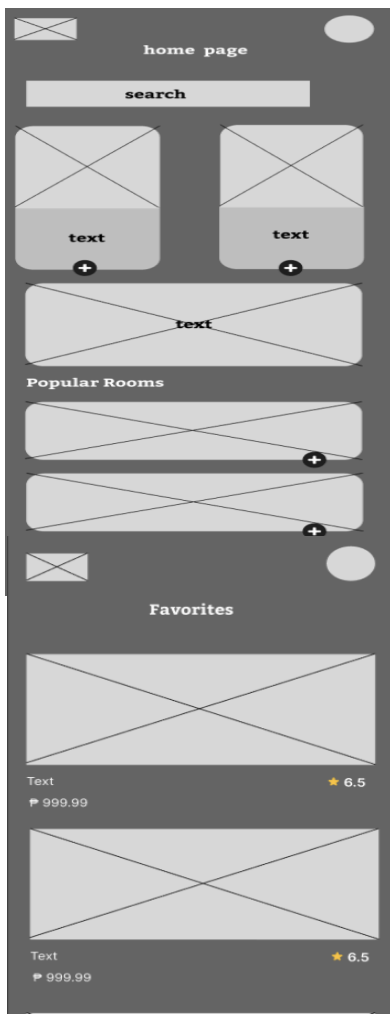
Loading Screen

This is what the user will see when they first open the app. The user needs to tap The Screen to Continue.



Log In Page

This page is where you can sign up using the user's Username and Password. They can also Sign up using Facebook and Google.

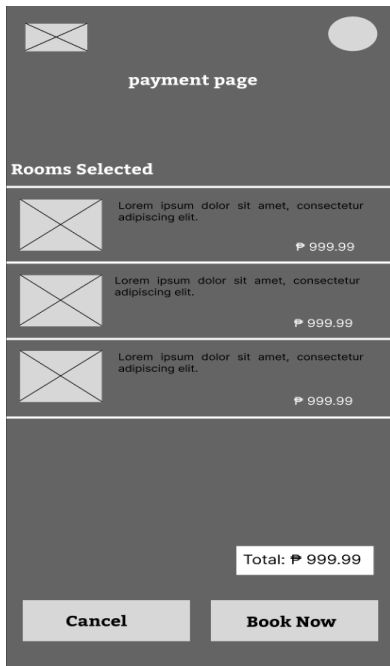


Home Page

This is the home page, where the user can browse rooms. The user can also add to cart the rooms they want to book by clicking the "+" button.

Favorite's Page

This is the favorites page. The user can add the rooms they like to the user's favorites by clicking the "♡" button. Users can compile a list of items or content they find important, allowing for quick and easy access in the future. This saves them time and effort from having to search for those things again.



Payment Page

The Payment Page displays the total price of the rooms the user has selected by clicking "+". Here, users can also book the rooms by clicking the "Book Now" button.

Color Palettes



#F1E5D1



#DBB5B5



#C39898



#987070



#FFFF80



#FFAA80



#FF5580



#FF0080

We're still finalizing the color scheme, but we're leaning towards a palette that evokes beach vibes, tropical paradises, and stunning sunsets – perfect for that summer feeling!

Font Style

QWERTYUIOP

We've opted for the Junge Font Style for its sleek and stylish look. Not only is it readable at any size, but its modern vibe also keeps our project feeling fresh and current.

qwertyuiop

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