National Apprentice and Industrial Training Authority

Diploma in Software Engineering

M05 - Introduction to UI UX Design

(Semester I)

TravelNook Hotel Booking System
UI Design

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Abstract

This document presents the conceptualization of a groundbreaking hotel booking system UI designs to depict the reservation process for both guests and hotel personnel. The system delivers a friendly interface empowering guests to effortlessly peruse available rooms, tailor amenities to their preferences, and seamlessly finalize bookings online.

These UIs provide users with basic operations in a hotel booking system. Notable features encompass instantaneous room availability updates, fortified security measures for payment processing, and seamless communication with the authorized people.

Acknowledgement

My sincere gratitude goes to all who made this project a reality. Especially my lecturer Miss Chathumini Dissanayake, your guidance was invaluable. I appreciate the help of my friends in guiding this project to fruition.

Lastly, my family, and loved ones provided unwavering support and motivation. Their belief in my abilities kept me focused on our project's objectives. Together, your collective contributions have been the driving force behind this project's success, and for that, I'm profoundly thankful.

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List of Acronyms

DSE – Diploma in Software Engineering

UI – User Interface

UX – User Experience

Chapter 1 – Introduction

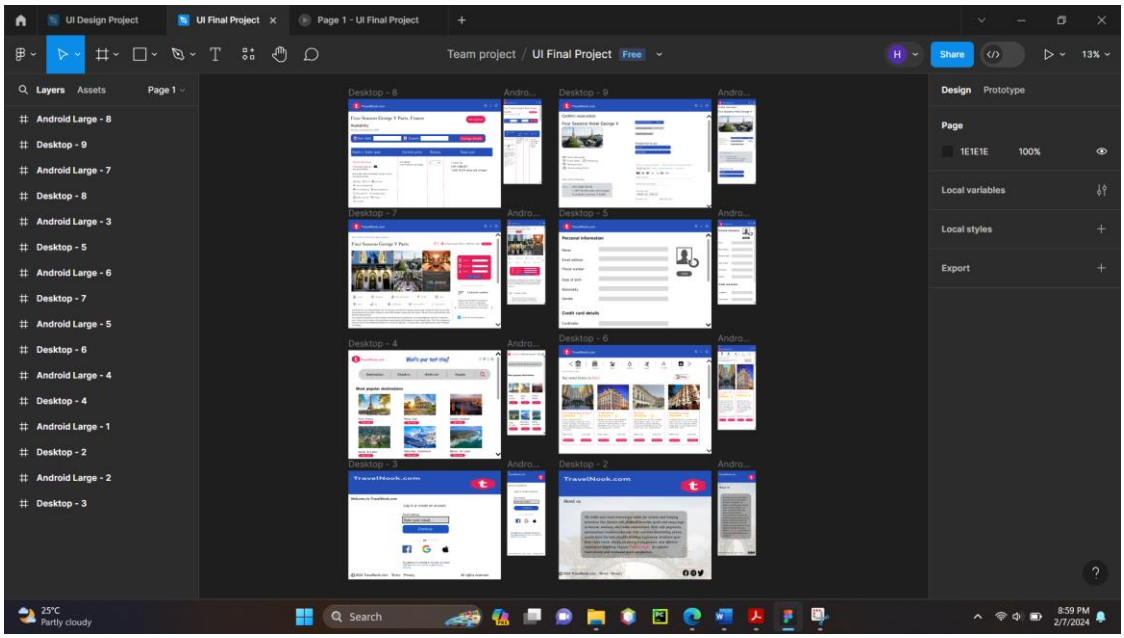
The present world is fast paced, and the people are living a busy life. And the people travel overseas and in the same country quite often. They need a reliable and easy to use application to book hotel accommodation with convenience. To that that this UI is very simple as it quickly fulfills the purpose.

Users can easily search for hotels based on various criteria such as location, room type, price range, and availability with correct filtering. The system provides real-time updates on room availability, allowing users to make informed decisions when booking. Users can manage their reservations, including making changes or cancellations, through a personalized account dashboard. Integration of user-generated reviews and ratings helps users in making informed choices and provides valuable feedback to hotels. The home page shows special offers, promotions, top rated hotels, and events within the booking system to attract more customers. Users receive notifications and reminders about their upcoming reservations, ensuring a smooth visiting experience. The payment process is completed with high security ensuring that the customer has no trouble with the process.

Figma

I used Figma application to design these interfaces. Below is a small introduction about the software.

Figma is a web-based graphics editing and user interface design app. You can use it to do all kinds of graphic design work from wireframing websites, designing mobile app interfaces, prototyping designs, crafting social media posts, and everything in between (junkie, 2024).


UI Design Project
UI Final Project
Page 1 - UI Final Project
Team project / UI Final Project Free
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Assets
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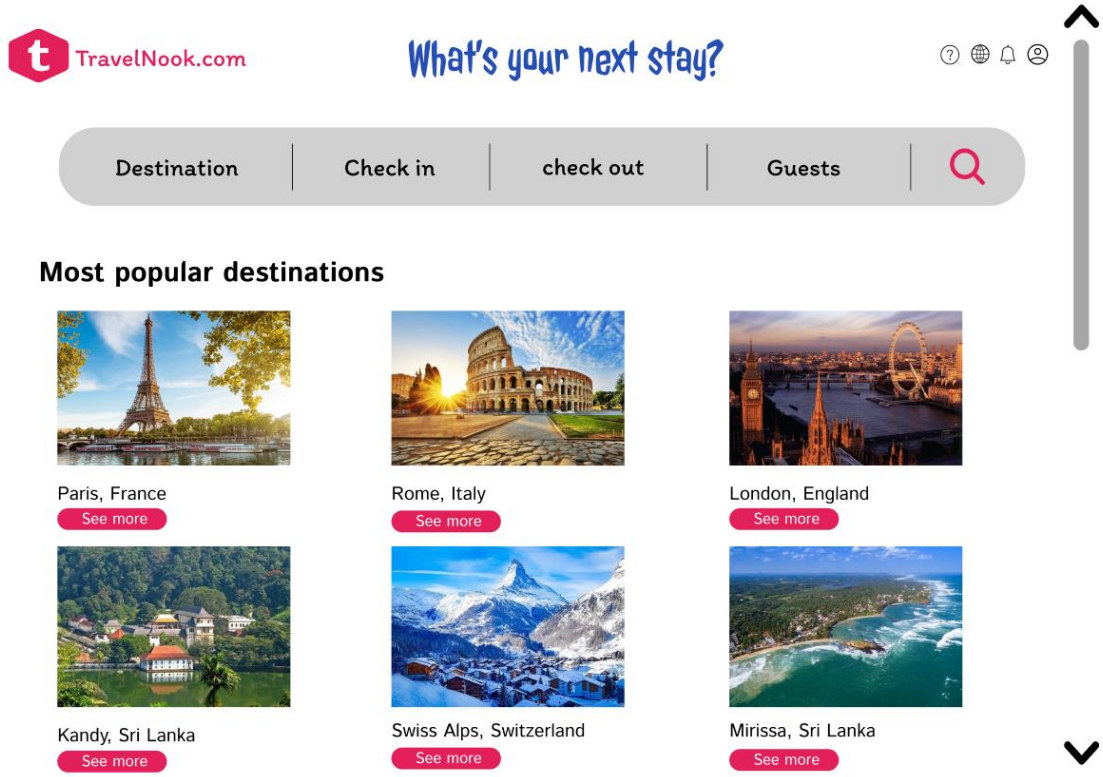
Chapter 2 – Scope of the Project

1. Home Page
2. Hotels in Destination Page
3. Hotel Details Page
4. Reservation Page
5. Availability Page
6. About Page
7. Profile Page
8. Log-in Page

Chapter 3 – User Interfaces in the Project



After a click behavior in the bell icon in top right corner. The same happens with the mobile version.

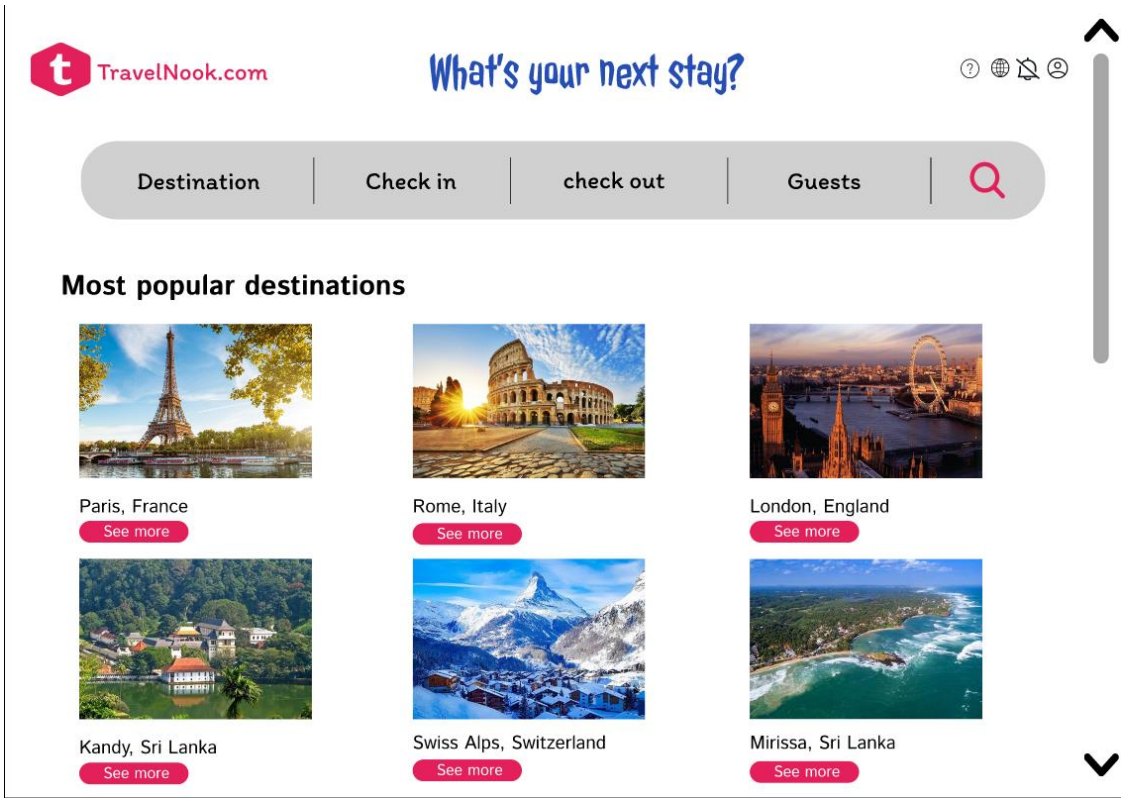
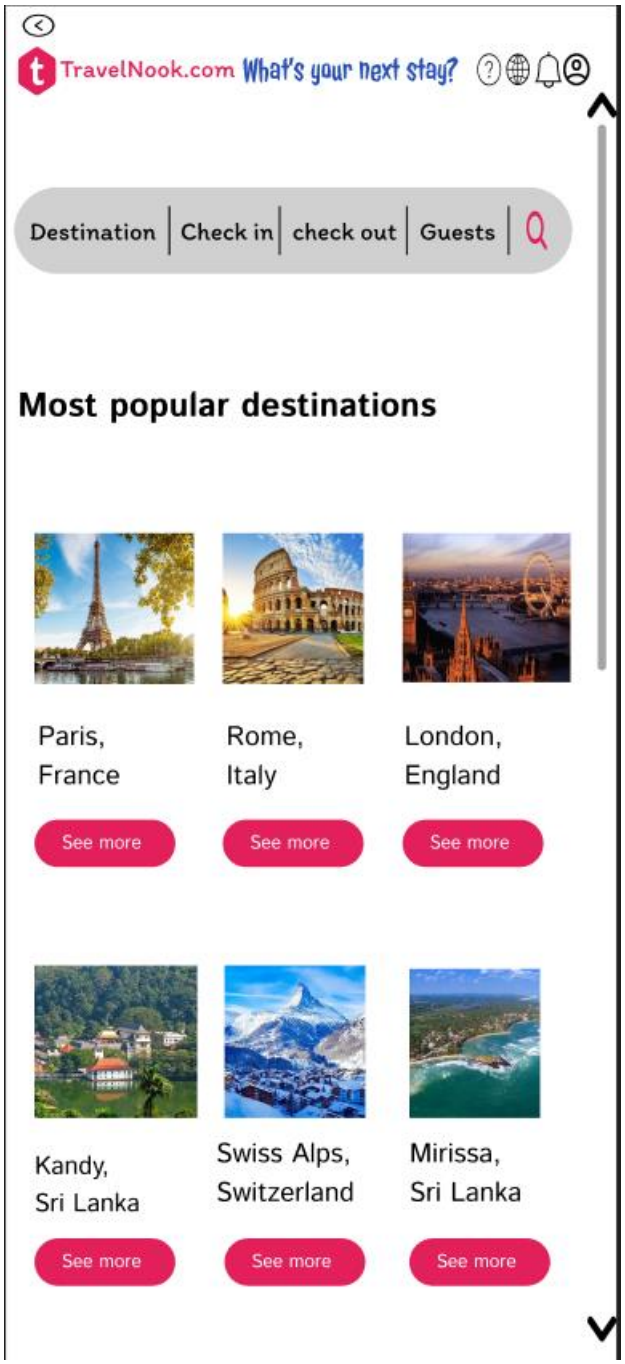


Figure 1 Desktop_1_Home_Page

In the above UI, I have used mostly a cool color palette. And Jolly Lodger, Itim, Istok Web font families to stylize the UI. The font sizes are 64, 36, 32, 20. I also added a scrollbar and small buttons to make the navigation simpler. Also search boxes are used with some icons.


TravelNook.com What's your next stay?
Destination
Check in
check out
Guests
Most popular destinations
Paris, France
See more
Rome, Italy
See more
London, England
See more
Kandy, Sri Lanka
See more
Swiss Alps, Switzerland
See more
Mirissa, Sri Lanka
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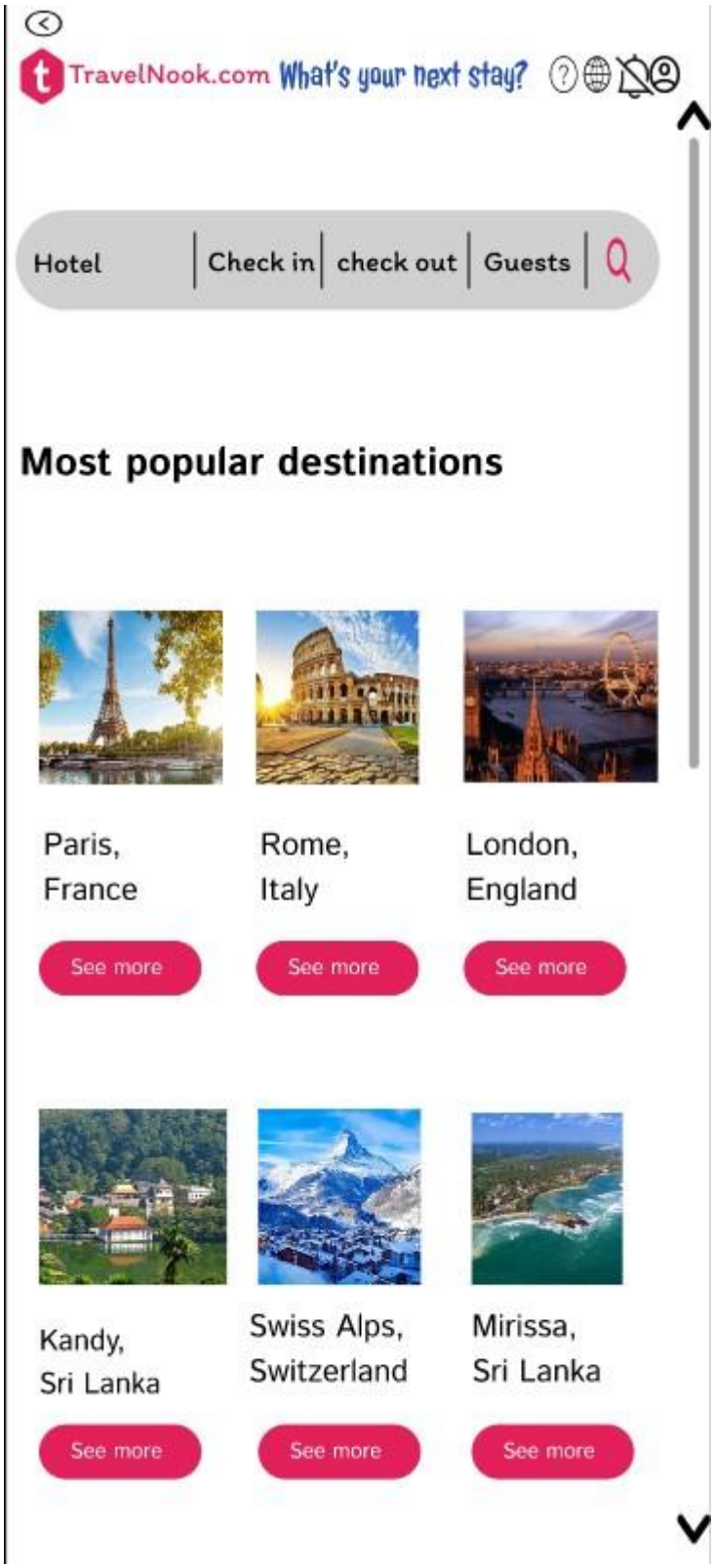


Figure 2 Android_1_Home_Page

A word changing animation is expected in the search bar “Destination” to “Hotel”.

While the font families are the same, the font sizes have been reduced to match the mobile interface. Otherwise, all are same with the desktop version.

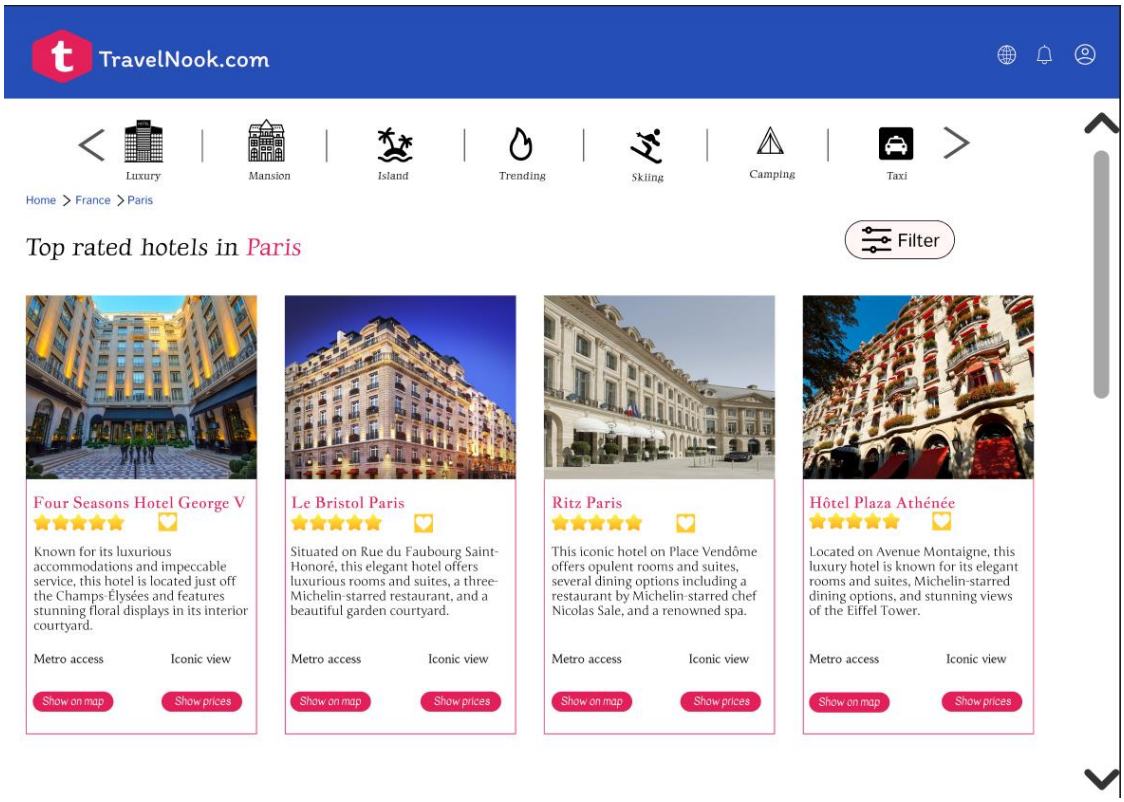


Figure 3 Desktop_2_Hotels_in_Destination_Page

In the above interface the main highlight is the usage of cards. It is an easier way to give out information in a system like this. Also, the color palette throughout the system is a cool one. Clear and easy on the eye is the main focus. I used location, icons to categorize, buttons, scrollbar in this UI. I used Jaques Francois, Junge, Luxurious Roman font families to this. 32, 20, 16 font sizes are used.

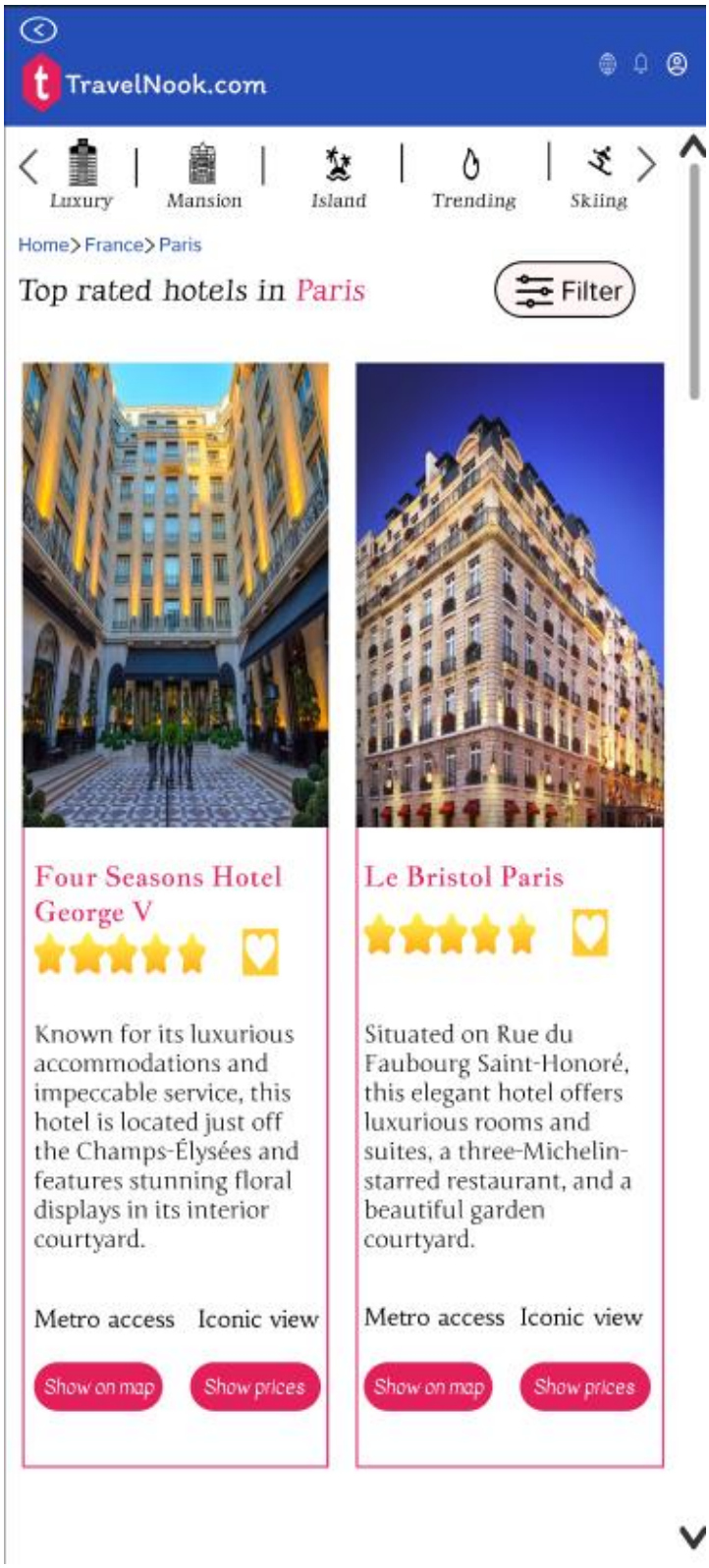


Figure 4_Android_2_Hotels_in_Destination

The design is similar to the desktop version and font sizes are reduced to match the interface. I added a backward button to navigate easily in the app.

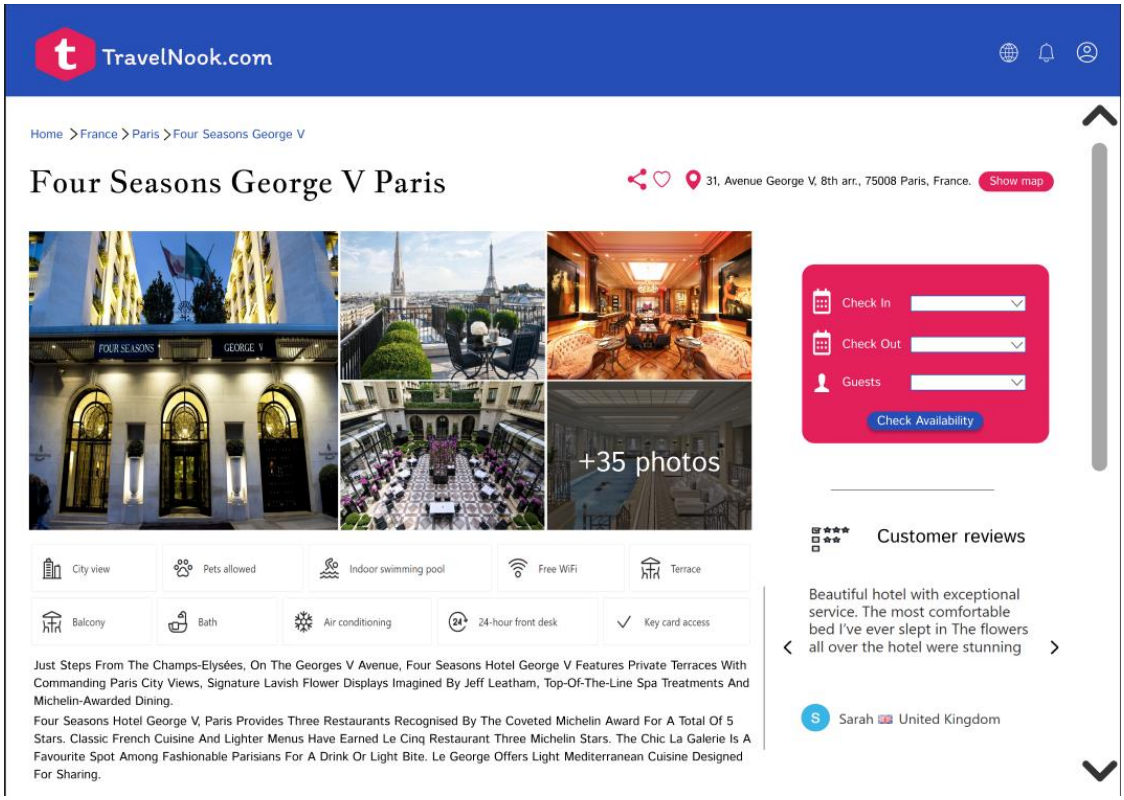


Figure 5 Desktop_3_Hotel_Details_Page

In the Hotel details page, I added a drop-down menu so the user can easily select the dates from a calendar that would pop up. Also, there are several buttons and icons in this UI for better UX. Jacques Francois, Istok Web font families are used while 40, 24, 16 are the font sizes. The user can go through some photos of the selected hotel.

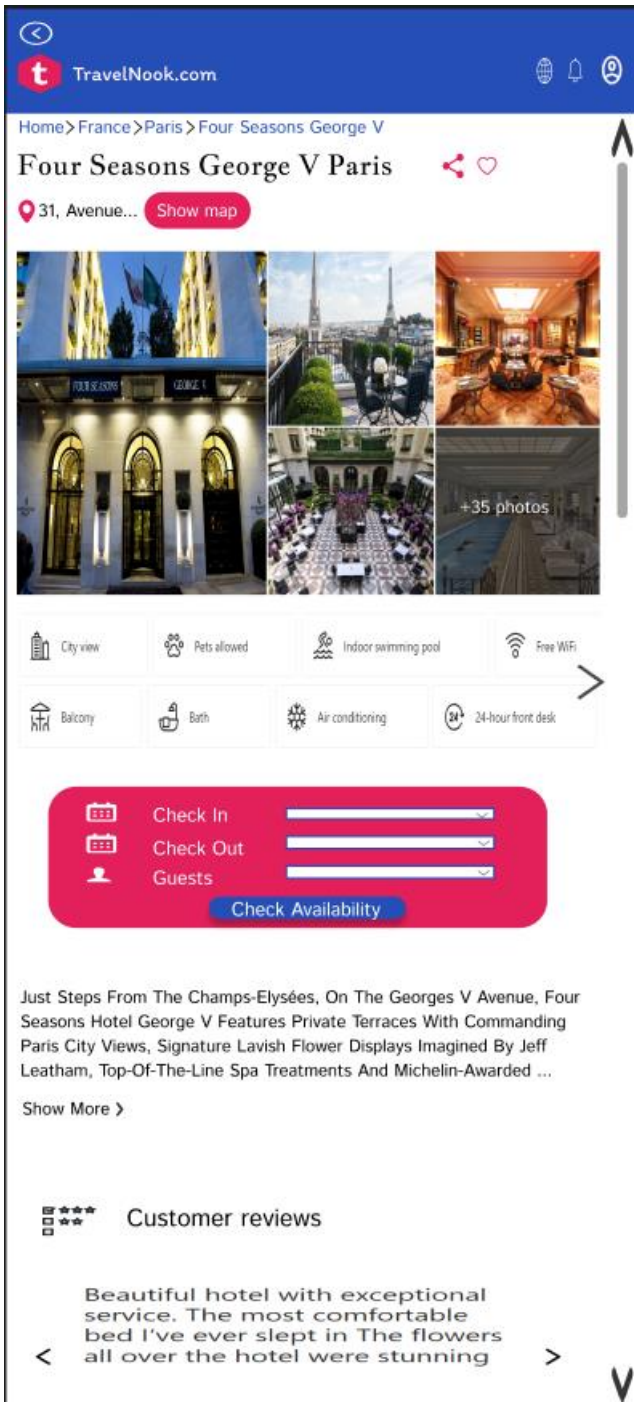


Figure 6 Android_3_Hotel_Details_Page

The design is similar to the desktop version although the font sizes are reduced. Details about the selected hotel are included in this UI. Customer reviews are included so the UX is better. Font sizes are 16, 10, 12.

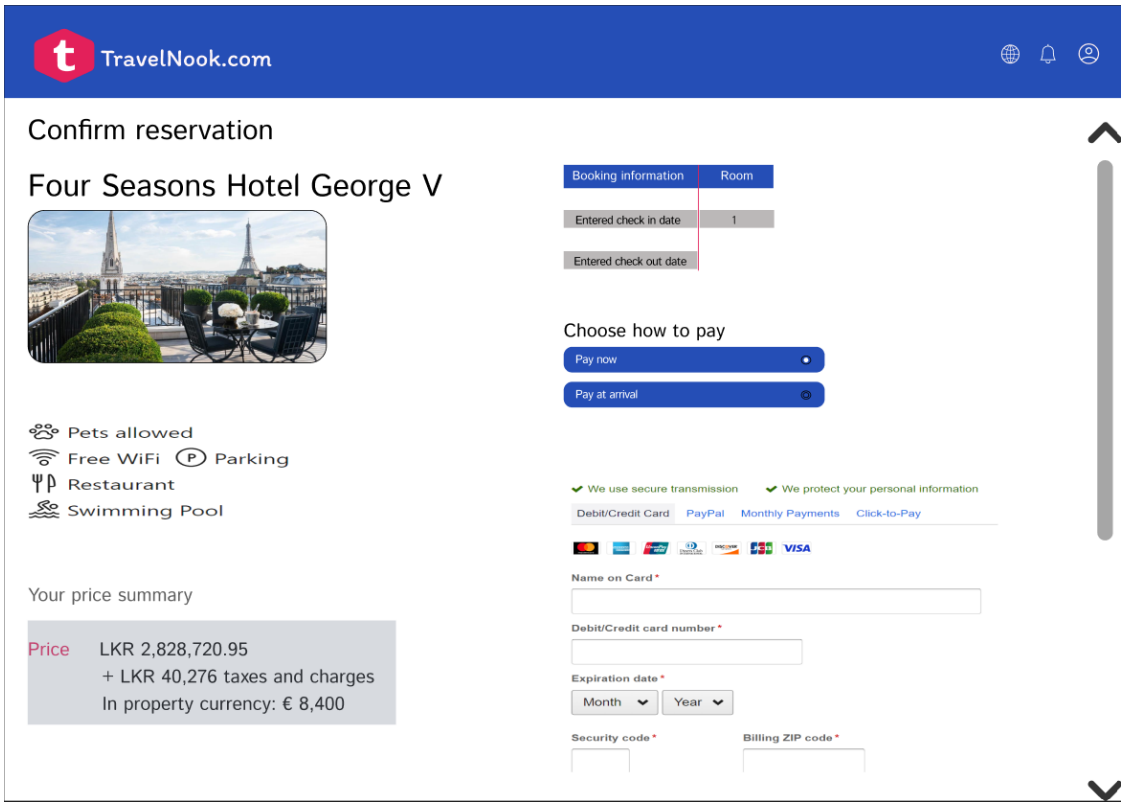


Figure 7 Desktop_4_Reservation_Page

In the reservation page, I added a radio button to select only one choose one option. It is kept simpler so the user can complete the booking and add payment details with out confusion. The price summary, the dates that the user entered are also included. Istok Web, Itim font families are used. 40, 36, 15 are the font sizes.

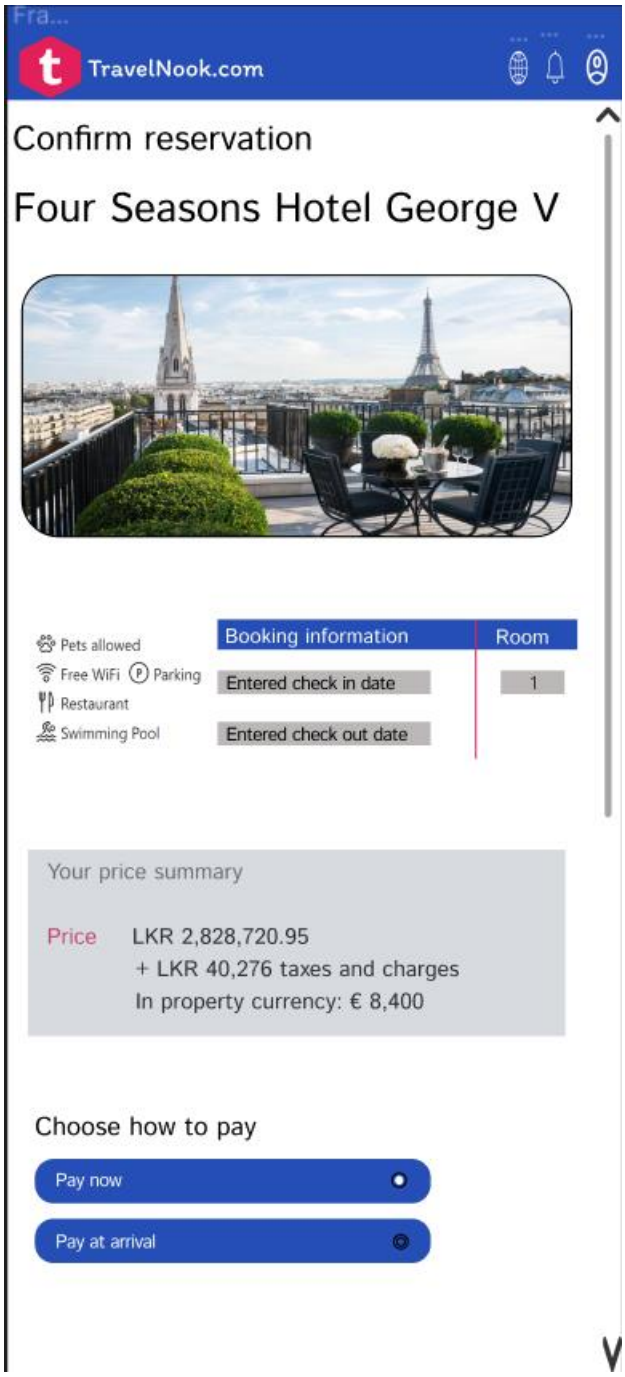


Figure 8 Android_4_Reservation_Page

Font sizes are reduced, and user can scroll down to complete the reservation process. 24, 20, 15 font sizes are used.

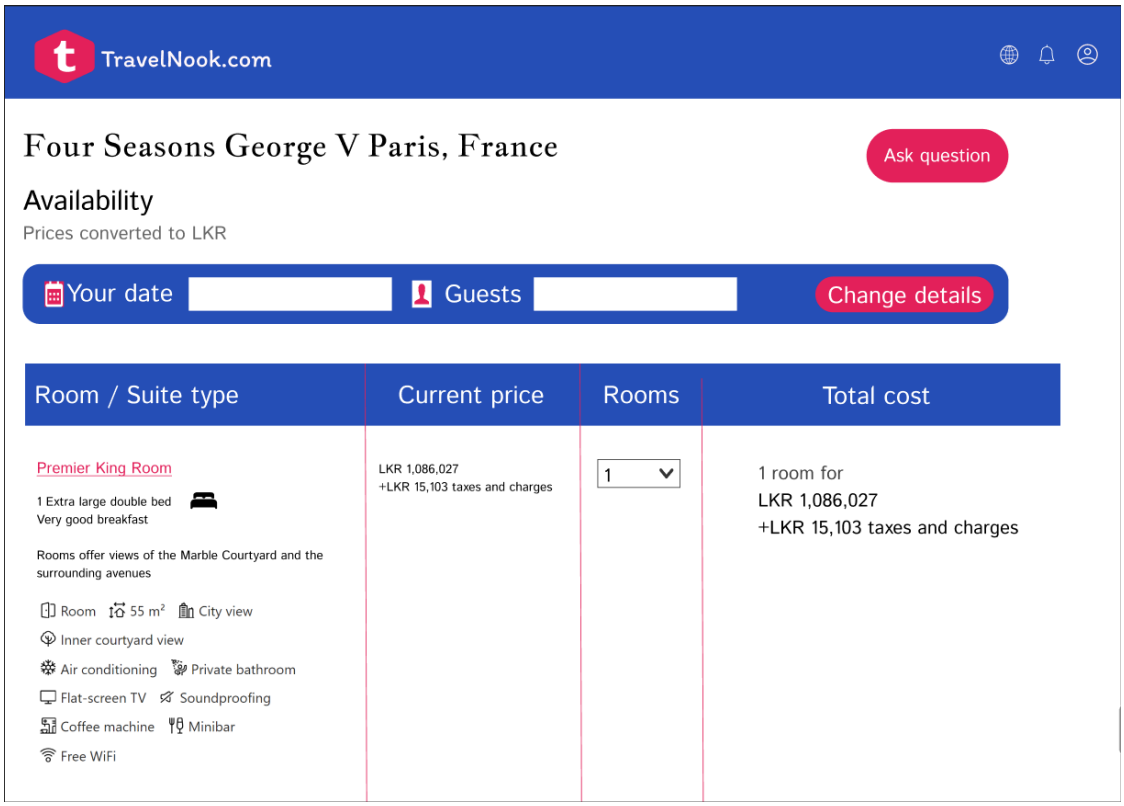


Figure 9 Desktop_5_Availability_Page

In the availability checking page cool color palette is used. While the user has the ability to change the inserted details to check availability. To display the room details I used a table. So the user can understand better about the fascilities. Istok Web, Jacques Francois font families are used. 40, 36, 32, 20 font sizes are used.

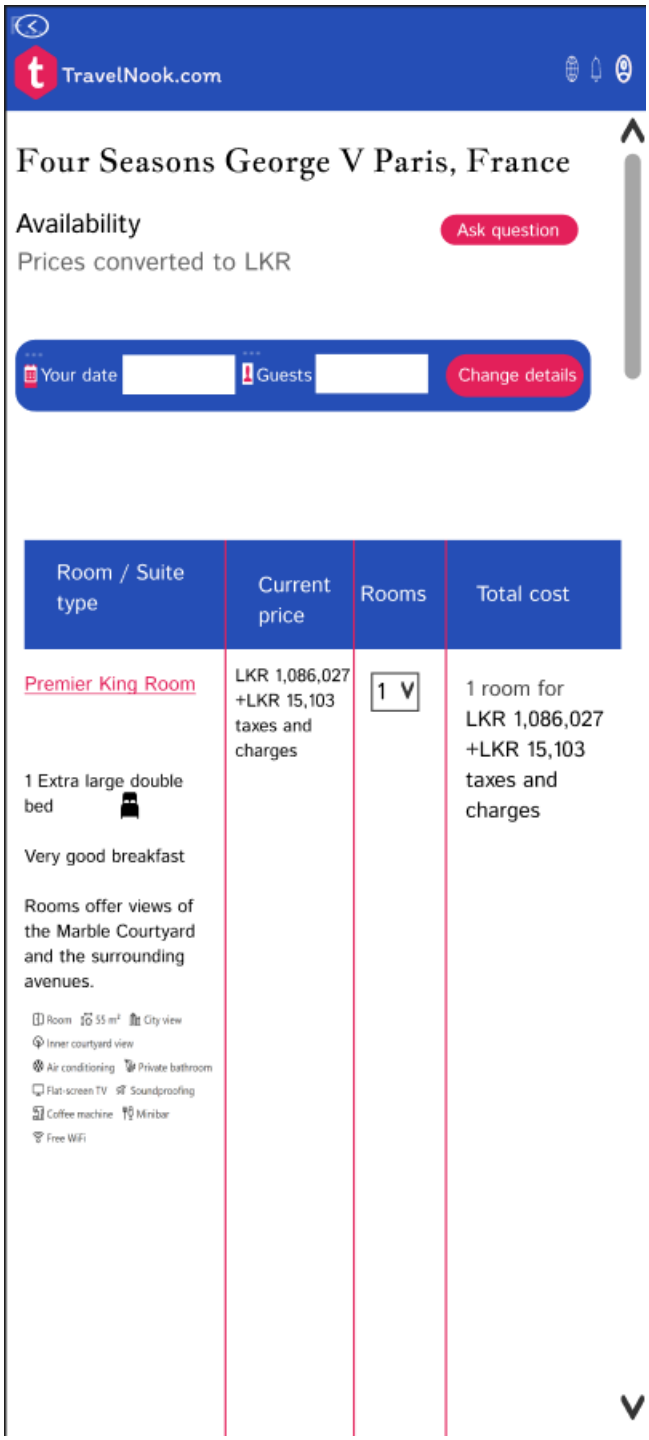
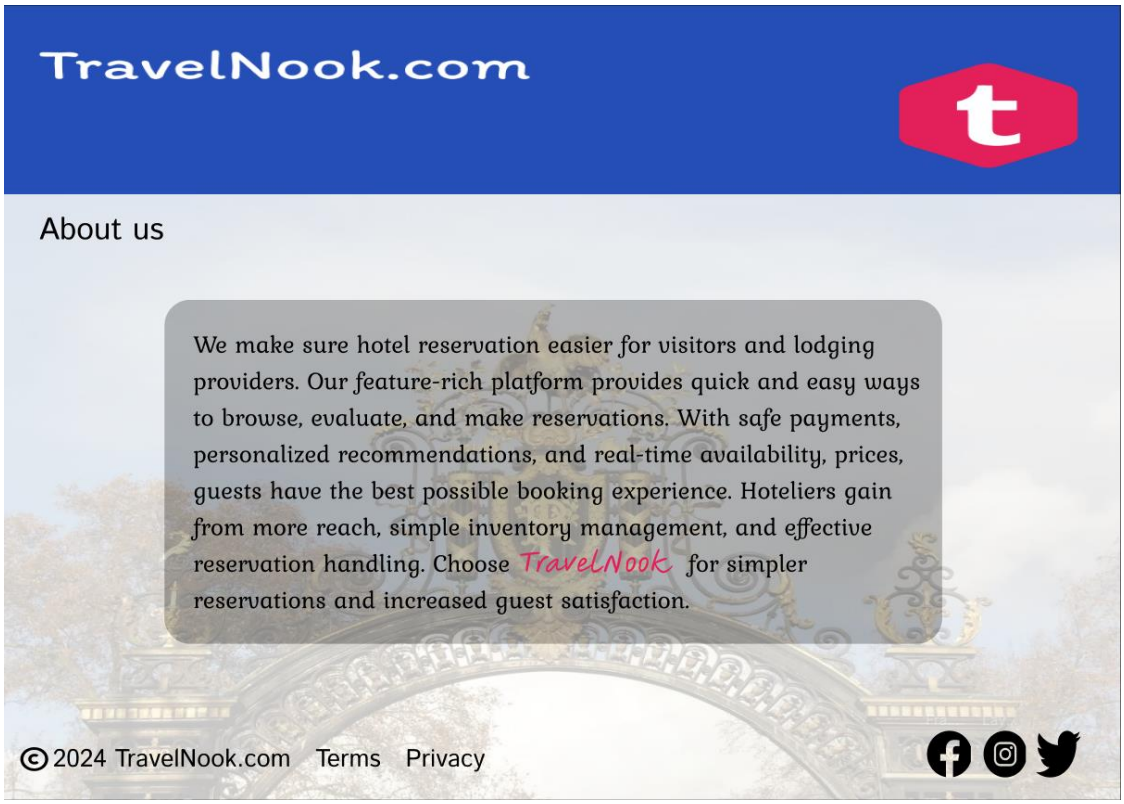


Figure 10 Android_5_Availability_Page

In this mobile version also the font sizes are reduced while the rest of the design is similar.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After an animation. Same happens with mobile the version.

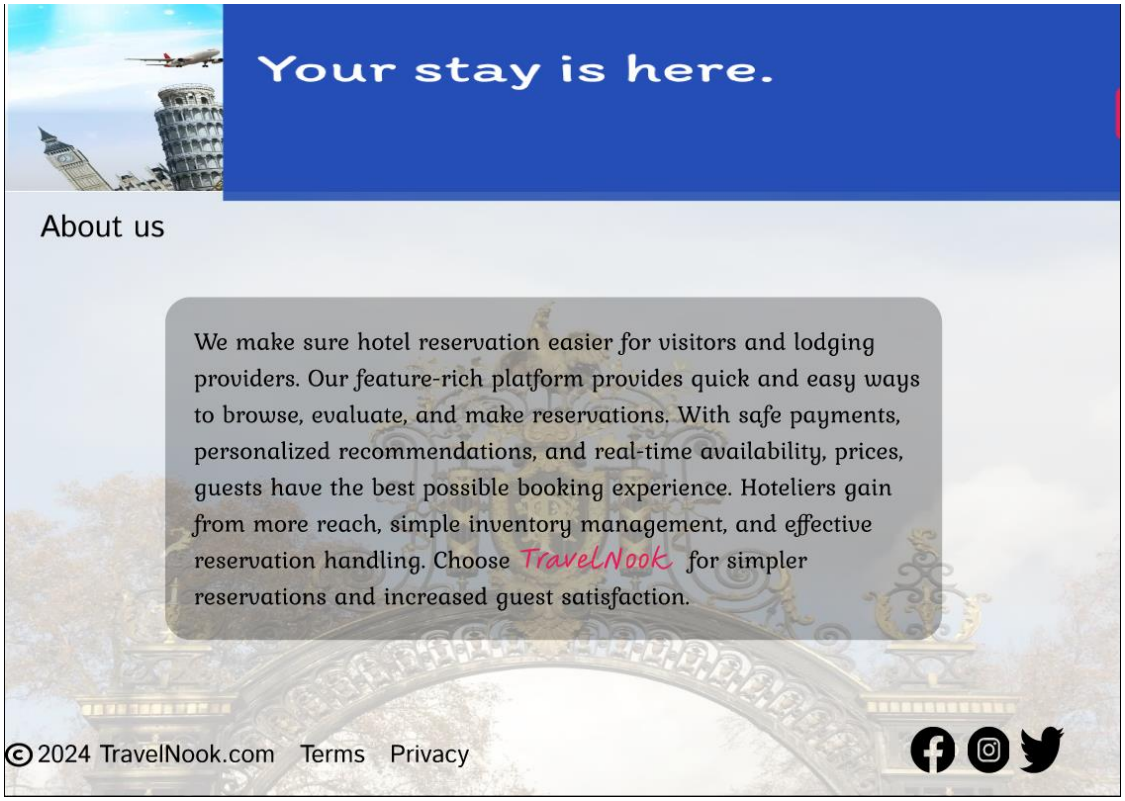

Figure 11 Desktop_6_About_Page

Upon clicking the help button in the home page, this interface will display. This interface provides a brief description of the system. Users can also follow the TravelNook social media accounts. Copyright, Terms, Privacy details are also available as buttons. An animation will occur after a delay created with prototyping. Figma Hand, Kurale, Istok Web font families are used. Font size is 40, 32.

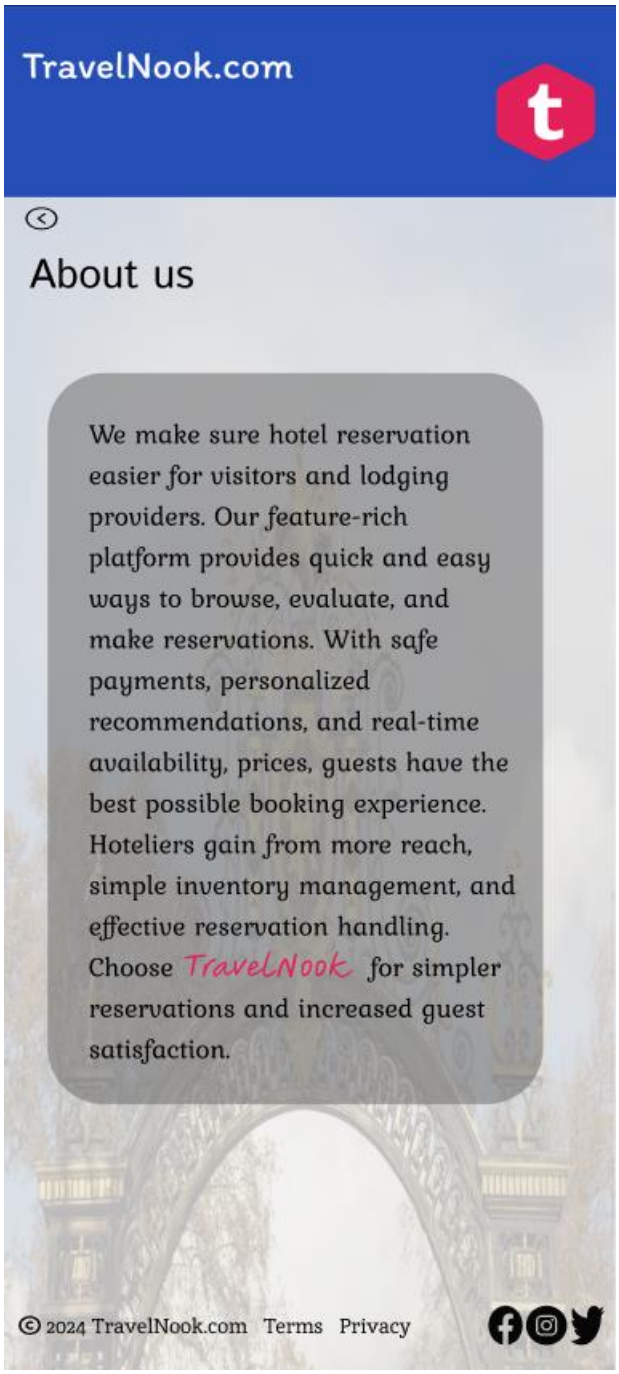

Figure 12 Android_6_About_Page

Same design as the desktop version with reduced font sizes.

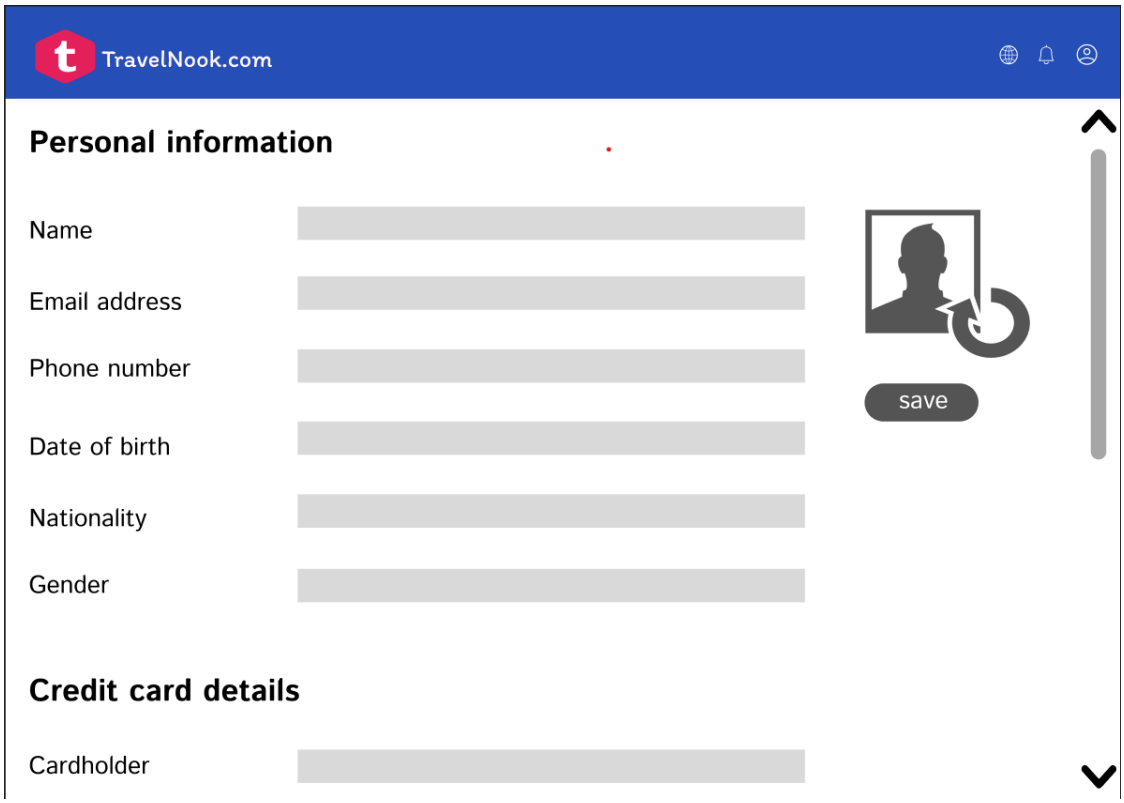

Figure 13 Desktop_7_Profile_Page

In this UI users can update or add new details to their profile. Adding a profile picture is also possible. Form inputs are used as placeholders of the details. After finishing user can save it with the save button. Istok Web font family is used to continue the consistency which is necessary. Font sizes are 40, 32.

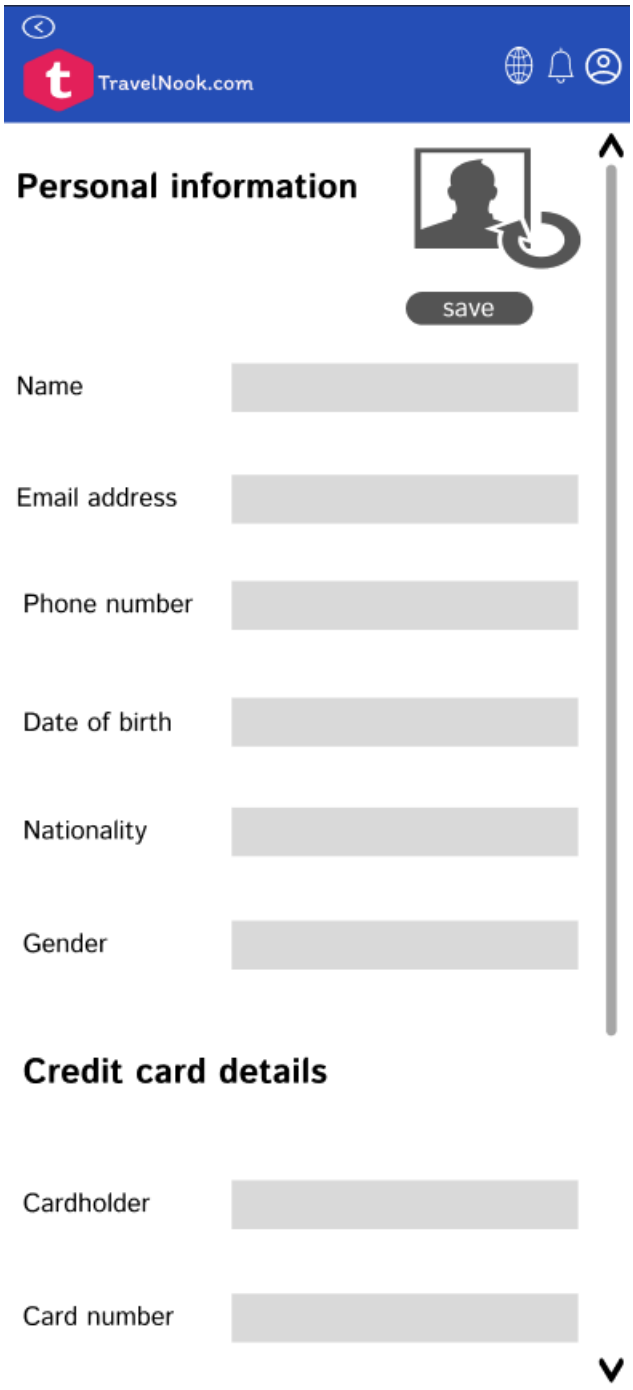

Figure 14 Android_7_ Profile_Page

Similar to the desktop version. Font sizes are 20, 15.

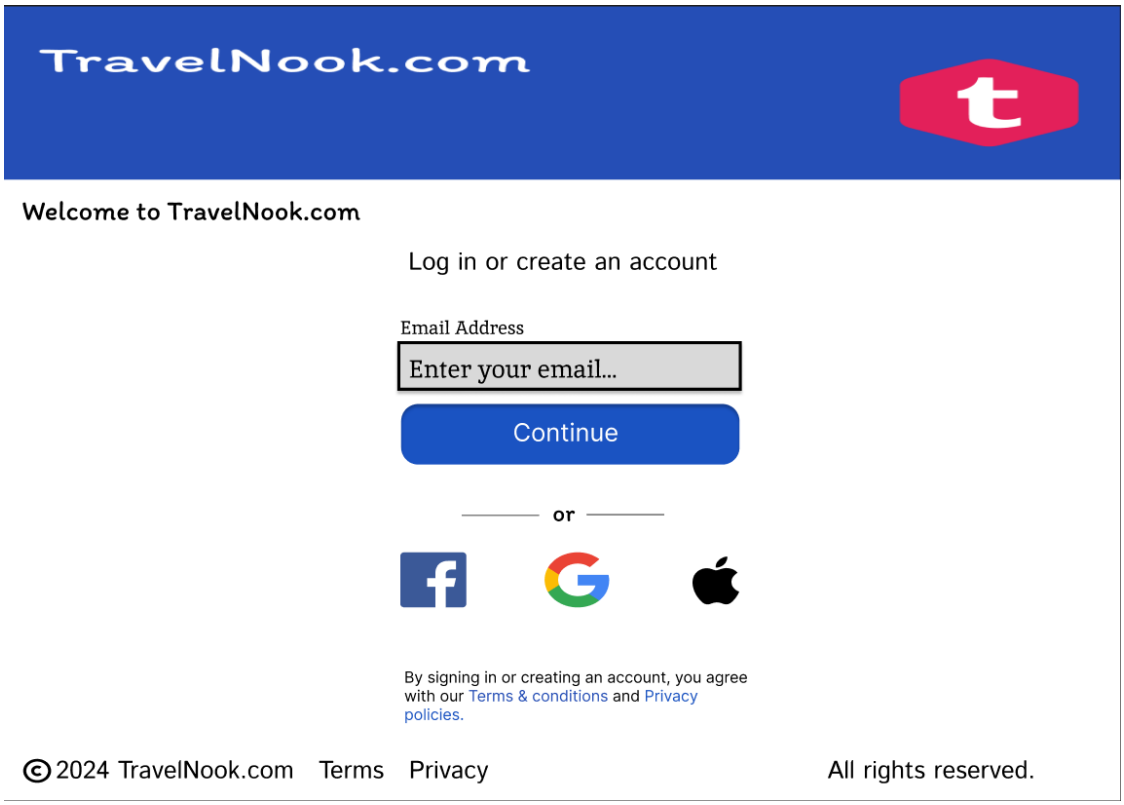

Figure 15 Desktop_8_Log-in_Page

Form inputs, buttons, and cool color palette is used in this Log-in page. Users can continue upon entering a valid email address. Simplicity is the key feature here. Inika, Istok Web, Itim fonts are used.

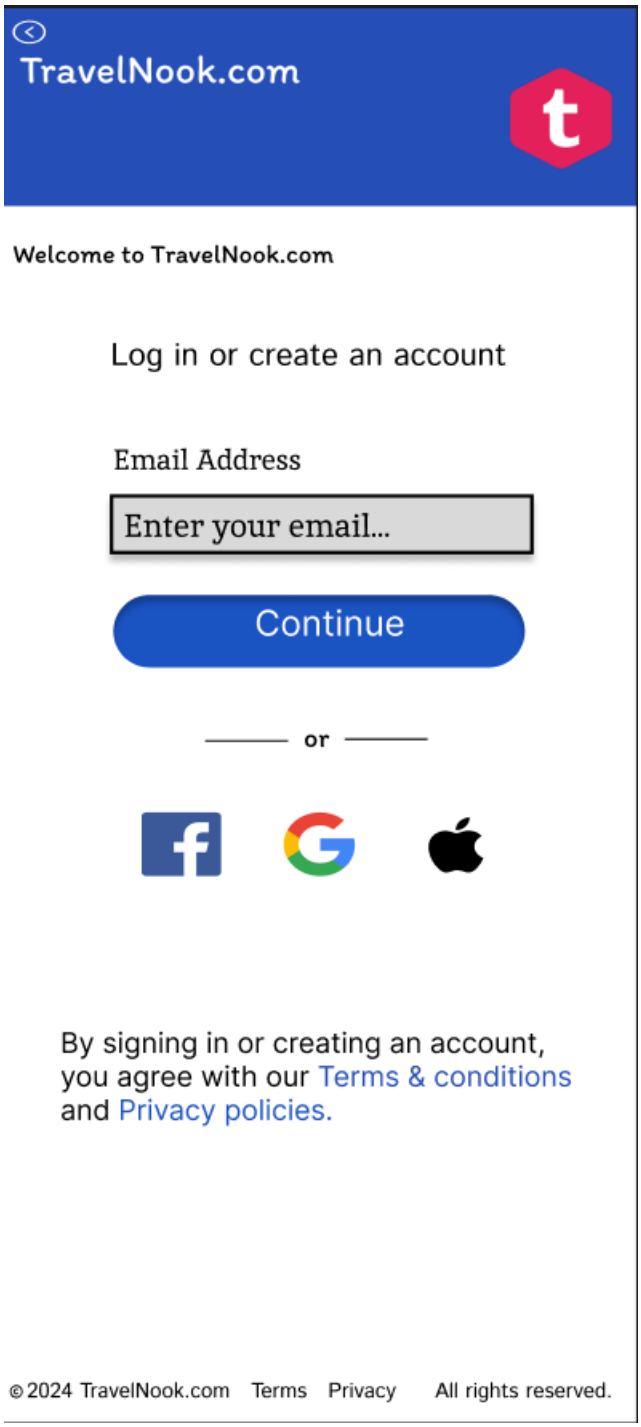

Figure 16 Android_8_Log-in_Page

Same as the desktop version but reduced font sizes.

Chapter 4 – References

Bibliography

junkie, t. (2024, 02 07). *What is figma*. Retrieved from theme junkie: https://www.theme-junkie.com/what-is-figma/