

Mobile Design Project- step-by-step guide

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Mobile Design Project

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1 Introduction

This report outlines the design process for the **Lush Re-treat** mobile application, created as part of the coursework requirements. The app is designed for my friend's personal health and wellness studio, with features focused on service introduction, philosophy presentation, and appointment or event registration. The design process involved collaborative discussions with my friend to align the app's visuals and functionalities with the studio's brand identity and services.

The design was completed using **Figma** for UI and prototyping, with consideration for potential integration with **Ionic Framework components** to implement functionality. The app design showcases features such as a **day picker**, **dropdown menus**, **scrollable content**, and **Google Map integration**, reflecting modern UI/UX principles.

2 Mobile App Idea 2.1 Objective

The primary goal of the Lush Re-treat app is to provide a seamless platform for users to explore the studio's services and philosophy, book **European Aromatherapy Meridian Massage**, and register for wellness retreats or other events, such as the **Mediterranean Cooking Lab**. The app aims to reflect the studio's values of relaxation, mindfulness, and rejuvenation while offering a user-friendly interface.

2.2 Design Process

2.2.1 Collaborative Brainstorming

Discussions with the studio owner focused on understanding the desired image, functionality, and user expectations.

- Key Brand Colors:

Pink (#efb2d0): Representing warmth and care.

Cream (#FFF8E7): Suggesting relaxation and serenity.

Green (#34a853): Chosen for a vibrant, forest-like tone to align with the studio's natural services.

1. Fonts:

After discussing with my friend, the primary fonts chosen are **Amaranth**, **Montserrat**, and **Poppins**. The reasoning behind this selection is that **Montserrat** is the signature font of my friend's studio, **Poppins** is commonly used in login templates for

its clean and modern style, and **Amaranth** adds a touch of classical and exotic charm, enhancing the app experience with a sense of fun and uniqueness.

2. UI/UX Tools Used

Figma:

3. Designed wireframes and prototypes.

Implemented interactive elements such as day picker, dropdown menus, tab bar, scrollable content, and hover effects.

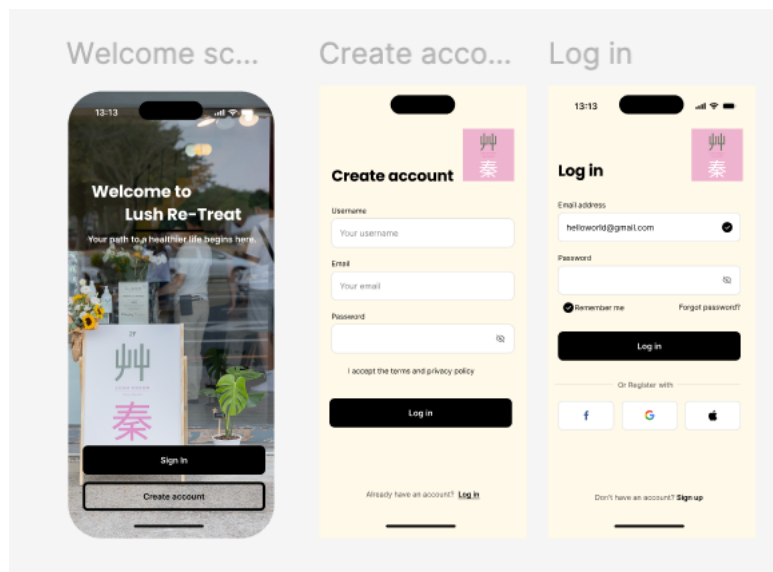
Incorporated branding visuals and user-friendly navigation paths.

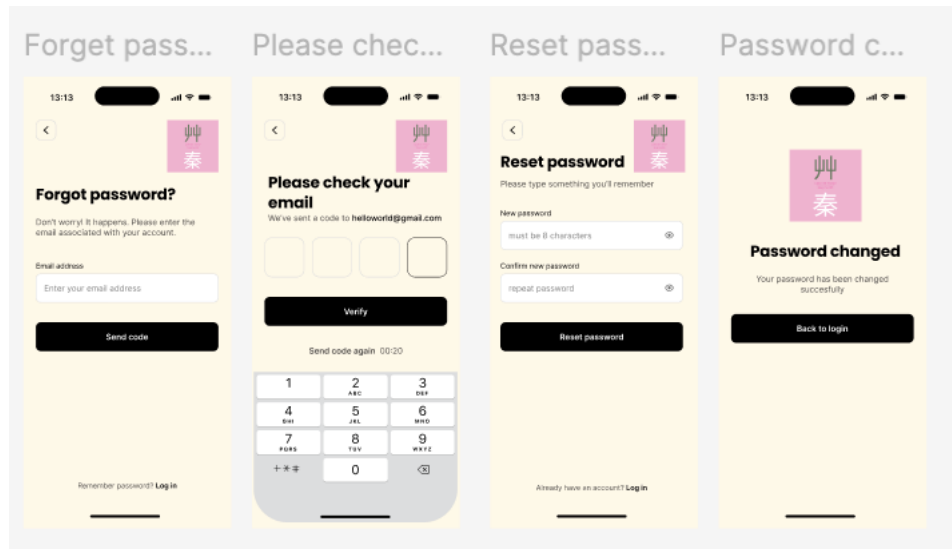
3 App Features

3.1 User Authentication

Welcome Screen:

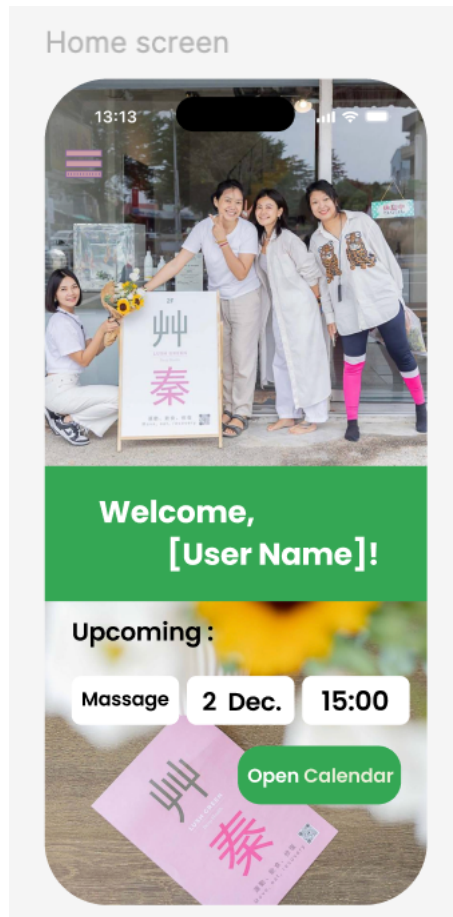
- Options: **Create Account** or **Sign In**.
- Create Account: Users input their **name**, **password**, and **email**.
- Sign In: Users provide **email** and **password** or follow the **Forgot Password** flow.





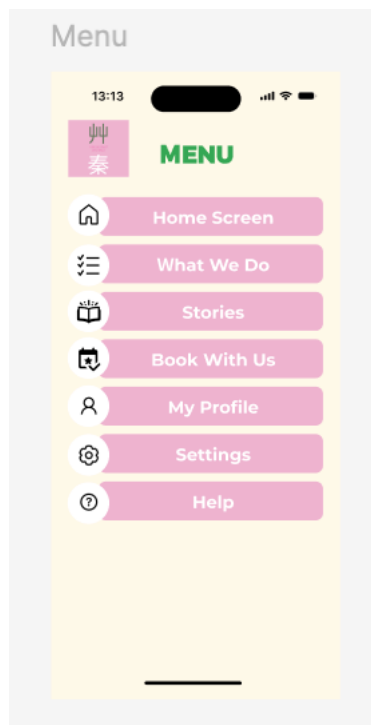
3.2 Post-Login Welcome (Home Screen):

- Displays a personalized greeting: “Welcome, [User Name]!”
- Highlights upcoming bookings or events, offering a warm and engaging user experience.
- Users can open the calendar to view future schedules(not yet design the UI of calendar).



3.3 Navigation

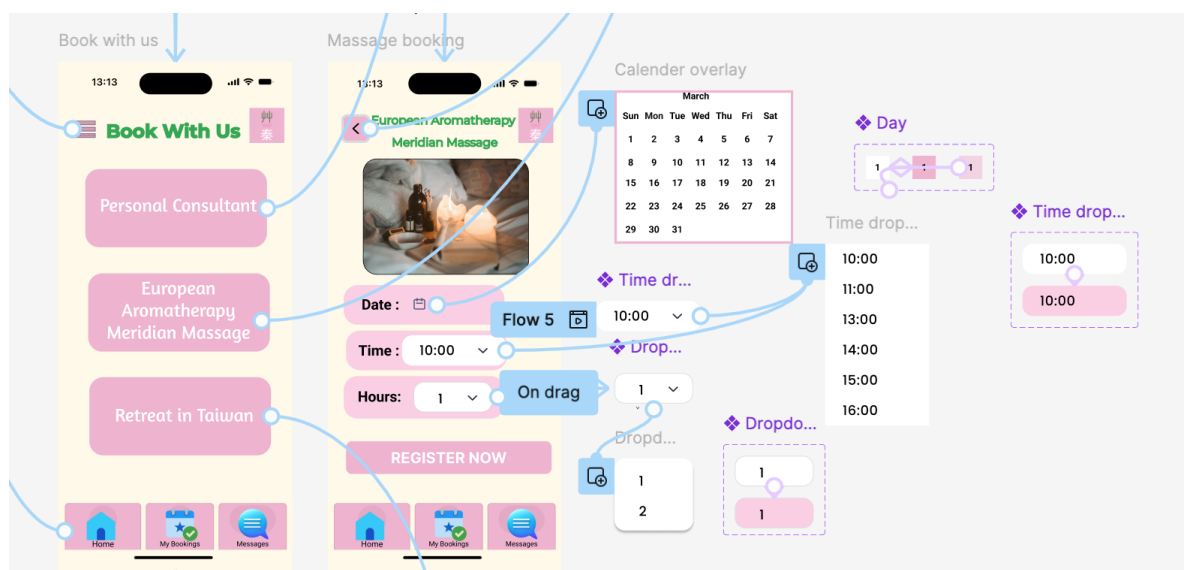
- A menu icon in the top-left corner provides access to:
 - Home Screen
 - What We Do: Includes "Lush Green Deep Health Concept," "European Aromatherapy Meridian Massage," and "Retreat in Taiwan," with detailed descriptions and **Book Now** buttons.
 - Stories
 - Book With Us
 - My Profile
 - Settings
 - Help

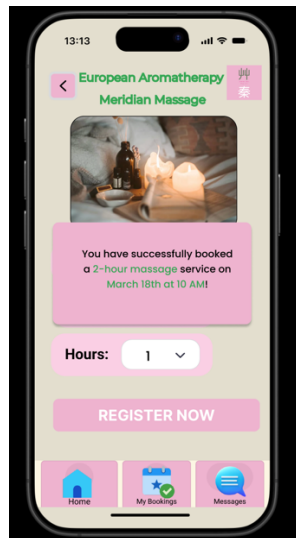


3.4 Booking System

- **Message Booking:**

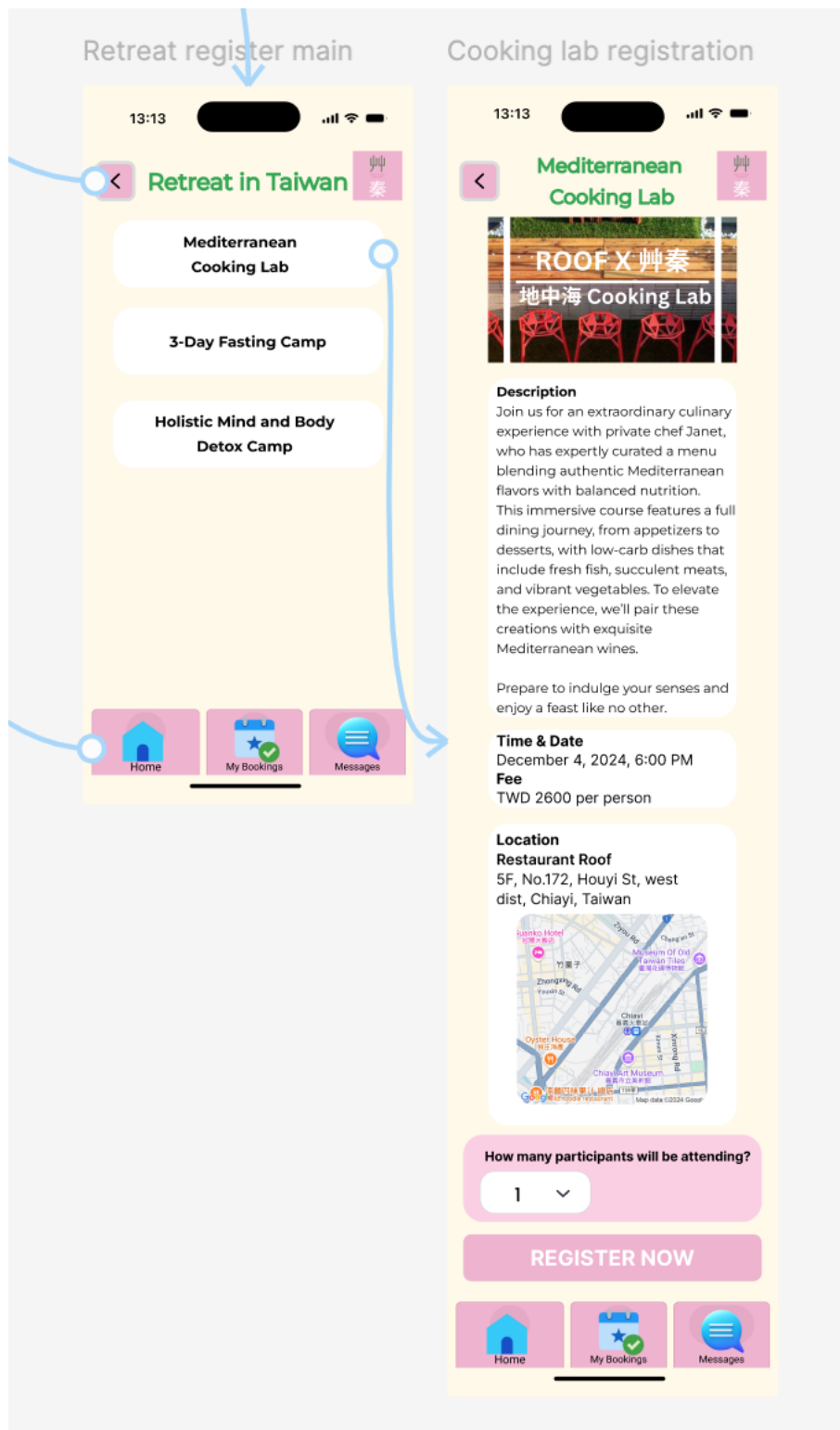
- Includes a **day picker** for selecting dates, a **dropdown menu** for time and hours, and a **Register** button.
- After completing the booking, a confirmation window will appear showing the successfully booked service with the specific date and time.





3.5 Retreat Registration

- Users can view event details such as descriptions, dates, fees, and locations (integrated with **Google Maps**).
- A **dropdown menu** allows selection of participant numbers, followed by a **Register** button.
- **Event Example: Mediterranean Cooking Lab**
 - A concept photo, detailed description, time/date, fee, and location.
 - Location linked to **Google Maps** for navigation.
 - Registration is simplified, requiring only the number of participants.



3.6 Tab Bar

- Located at the bottom of the app, offering:
 - **Home**
 - **My Bookings:** Lists confirmed bookings and allows management.
 - **Messages:** Facilitates communication.

Please refer to the **Lush Re-treat** Figma UI design and prototype:

<https://www.figma.com/design/FaFE4myVd4loawJBZndpVj/Lush-Re-Treat?node-id=12-555&m=dev&t=nBLKheCkehZ4X6Gk-1>

4 Ionic Components Integration

The design includes elements that can be implemented using **Ionic Framework**, such as:

- **IonCalendar** for the day picker.
- **IonSelect** for the dropdown menu to choose times, participant numbers, or massage options.
- **IonModal** for detailed service descriptions and confirmation pop-ups.
- **IonTabBar** for the bottom navigation bar.
- **IonMenu** for the left-side sliding menu.
- **IonButton** for interactive elements like "Book Now" and "Register."
- **IonRouterOutlet** to handle page transitions and navigation.
- **Google Maps API** for location integration in retreats and events.

5 Challenges and Troubleshooting

- **Color Selection**

Initially, the green (#687a61) chosen for the app appeared dull. After discussion with the studio owner, we switched to a livelier forest green (#34a853), aligning better with the app's natural and fresh theme.

- **Learning Figma**

To design interactive elements like **day picker**, **dropdown menu**, and **scrolling content**, I watched several tutorial videos and practiced extensively to implement these features effectively in the prototype.

https://www.youtube.com/watch?v=wWbnwtm_C10

<https://www.youtube.com/watch?v=ExNKCdWcmuo>

<https://www.youtube.com/watch?v=8OfEgD2zQOg>

<https://www.youtube.com/watch?v=a14gglgMgpg>

- I find that implementing a **day picker**, **scroll down**, and **dropdown menu** with simultaneous **hover interactions** that calculate scroll positions is quite challenging to achieve.

6 Learning Reflection

This project allowed me to explore both design and functionality for a mobile app. Key takeaways include:

- **Design Skills:** Understanding UI/UX principles, choosing harmonious color schemes, and creating user-friendly interfaces.

- **Prototyping Tools:** Learning to utilize Figma's interactive features to present a realistic prototype.
- **Collaboration:** Gaining insight into client needs and translating them into tangible designs. And how to communicate differences in ideas with clients appropriately and politely at the right time.
- **Problem-Solving:** Addressing design challenges such as improving color vibrancy and ensuring prototype functionality aligned with real-world components.
- **Visual Consistency:** When working on UI design, it's essential to plan the structure early on, including spacing and layout. Figma offers convenient features that help maintain visual consistency, but I realized this too late. As a result, the spacing between elements on each page of my UI design is not always uniform, which I feel makes the overall design look a bit disorganized.

7 Conclusion

The **Lush Re-treat** app embodies the studio's vision of providing a calming and professional health experience. The integration of features like personalized reminders, booking systems, and event details ensures usability and engagement. This project highlights the potential to combine design tools like Figma with the functionality of Ionic Framework for a seamless user experience.