

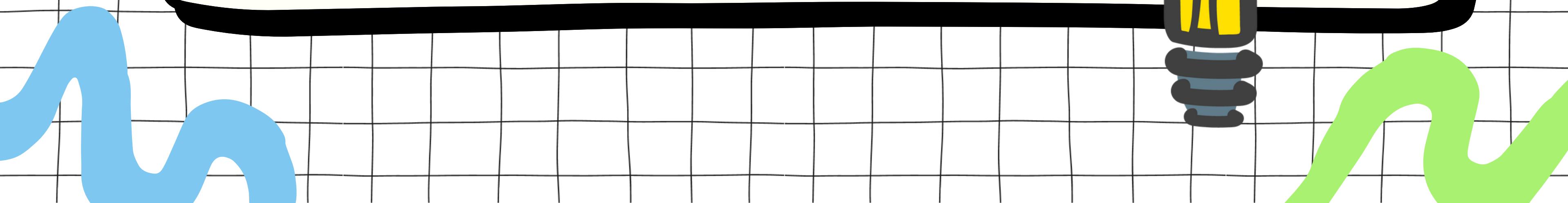
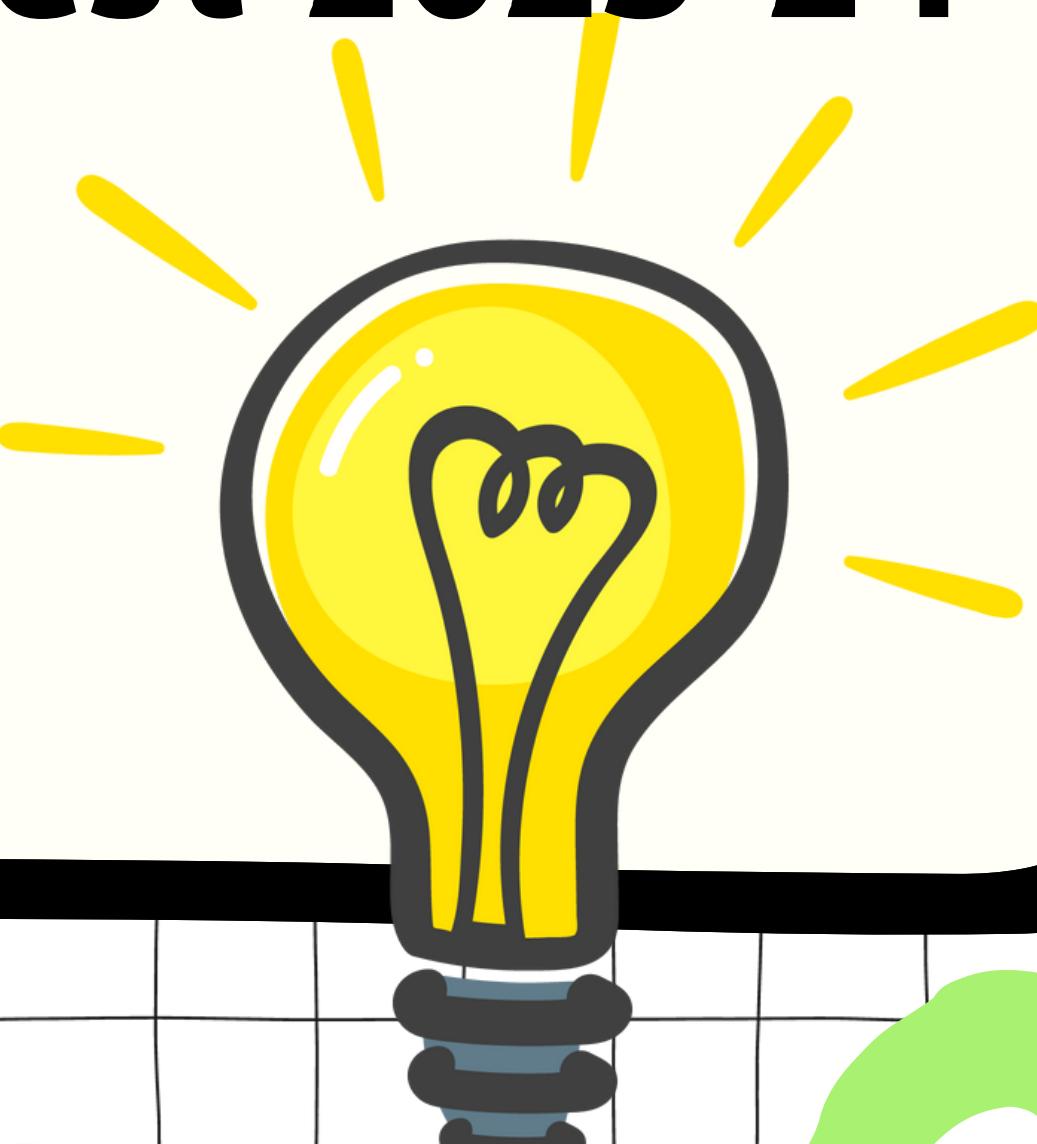


Here Hackathon Techfest 2023-24

Asia's Largest Science & Technology Festival

ORGANIZED BY:

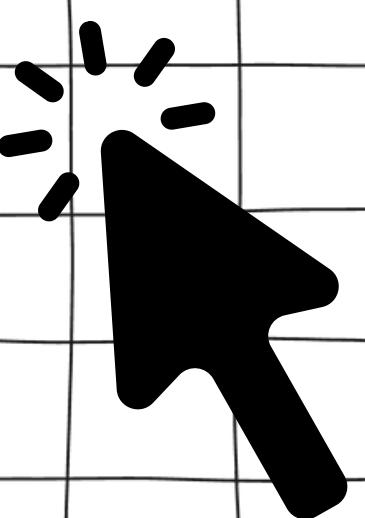
Indian Institute Of Technology,
Bombay (IIT-B)



Basic Details



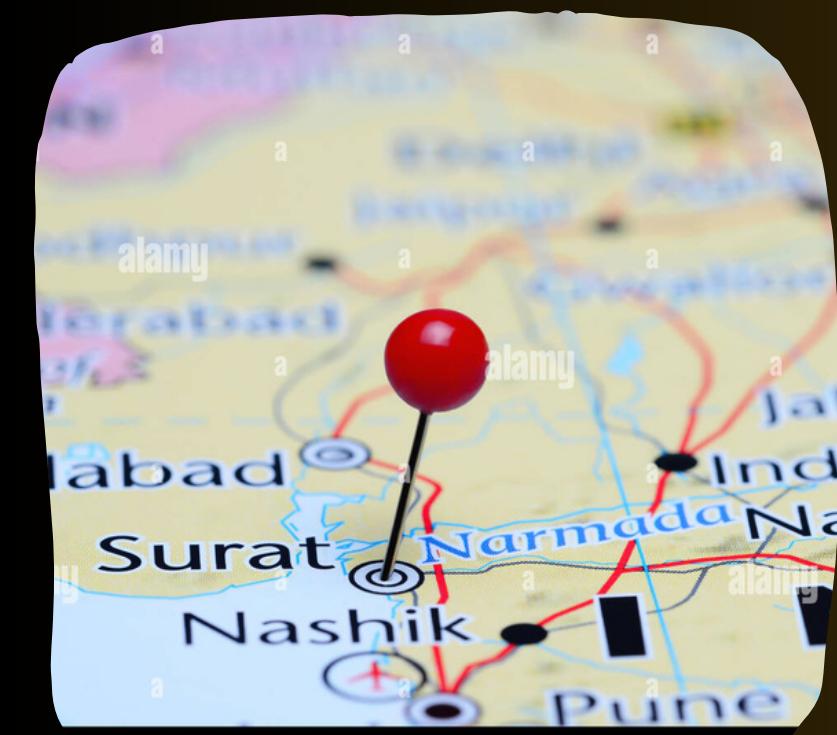
- Name of the Organization: **INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY**
- Problem Statement Title: **Local Business Discovery App**
- Team Name: **Tiny Coders**
- Team ID: **Here-230416**
- Team Leader Name: **Fatima Zaki**
- Institute Name: **GH Raisoni College Of Engineering, Nagpur**





Problem Statement?

The problem at hand revolves around the need for a user-friendly and efficient solution to aid individuals in discovering local businesses, restaurants, and points of interest. In today's dynamic and fast-paced world, people often find themselves in unfamiliar locations, seeking nearby services or attractions. This challenge becomes especially prevalent when navigating through new cities or neighborhoods. Traditional methods of exploration may not always provide up-to-date or relevant information. Thus, the objective of this project is to develop a mobile application that seamlessly integrates the HERE Places API and Mobile SDKs to empower users with a comprehensive tool for finding and exploring local establishments. By addressing this problem, the app aims to enhance user experiences, offering real-time, accurate, and personalized information about the surrounding environment, ultimately contributing to more informed and enjoyable local discoveries.





Idea/Approach:



The solution involves developing a mobile app that seamlessly integrates the HERE Places API and Mobile SDKs to address the challenge of helping users discover local businesses, restaurants, and points of interest. The key approach includes:

- **Robust Search Functionality:**

The app provides users with a powerful and intuitive search functionality, enabling them to quickly find and explore a wide range of local establishments based on categories, keywords, or specific criteria.

- **Interactive Map Display:**

Leveraging the HERE Mobile SDK, the app incorporates an interactive map display that not only showcases search results visually but also allows users to seamlessly navigate and explore their surroundings with ease. images.

- **Detailed Place Information:**

Users can access comprehensive details about each place, including contact information, business hours, user reviews, and ratings. This feature ensures that users make informed decisions when choosing a place to visit.

- **User Reviews and Ratings:**

Facilitating user engagement, the app incorporates a user review and rating system. This allows users to share their experiences, providing valuable insights for others seeking recommendations.

- **Real-Time Updates:**

Leveraging the HERE Places API, the app provides real-time information, ensuring that users receive the most current details about local establishments.

💡 Showstoppers:

- **Accessibility Features:**

Implementing strong security measures to protect user data and hoarding information.

- **Social Collaboration:**

Allowing users to collaborate socially, share their favorite places, and see recommendations from friends within the app, fostering a sense of community and trust.

- **Security and Privacy Measures:**

Implementing robust security measures to protect user data and privacy, gaining user trust in handling sensitive location information.

Dependencies:

- **HERE Places API and Mobile SDKs:**

Integration libraries and SDK versions provided by HERE for accessing location-based services, including search, mapping, and navigation.

- **Database:**

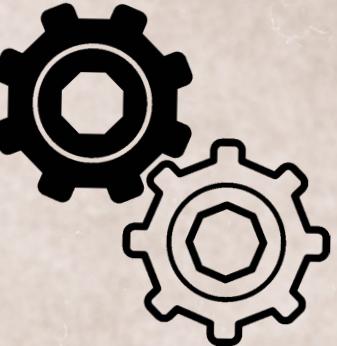
Realm, CoreData, or Room: Databases used for storing and retrieving data locally within the app.

- **Social Media Integration:**

Facebook SDK, Twitter Kit, or others: SDKs facilitating integration with social media platforms, allowing users to share or connect through their accounts.



Technology Stack:



City Exploration

- Tourists or new residents can use the app to explore and discover local attractions, landmarks, and hidden gems in a city.

Business Travel

- Business travelers can quickly locate essential services, such as hotels, conference centers, and dining options, in unfamiliar cities.

Event Planning

- Individuals planning events or meetups can discover suitable venues, catering services, and nearby amenities.

Local Recommendations

- Locals can share their favorite places and recommendations, creating a community-driven guide for others.

Emergency Services

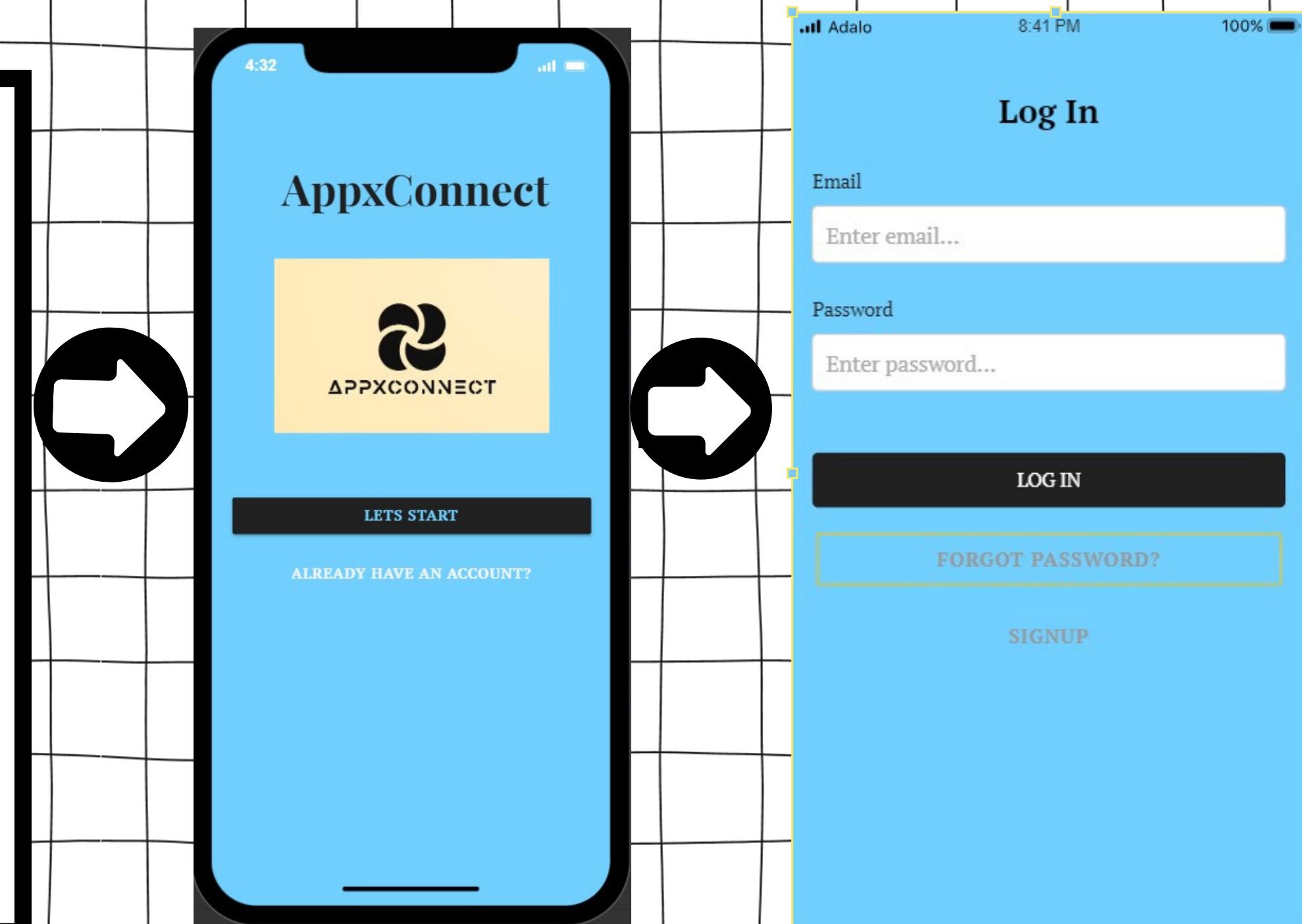
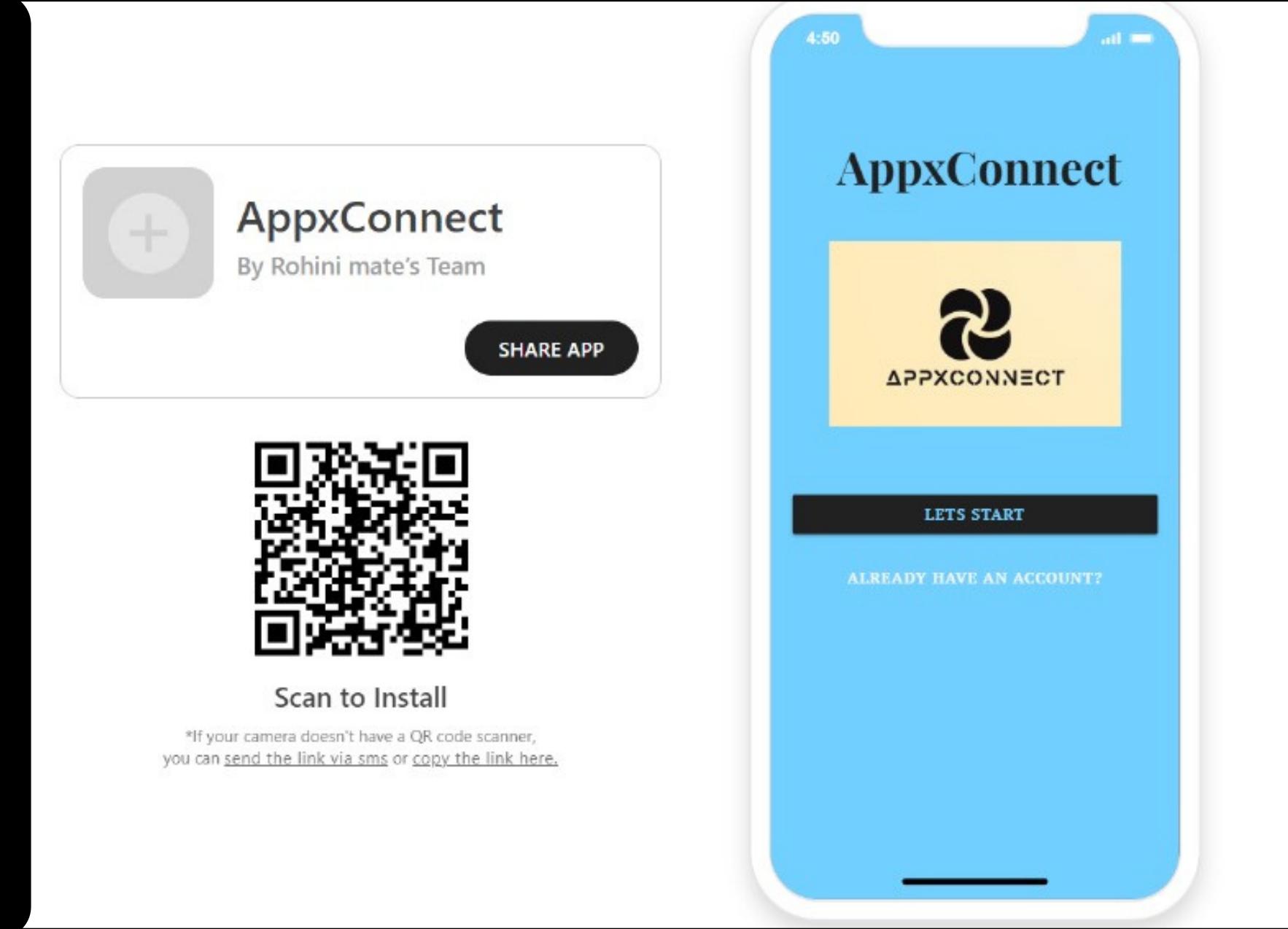
- In case of emergencies, users can quickly locate nearby hospitals, pharmacies, police stations, or other essential services.

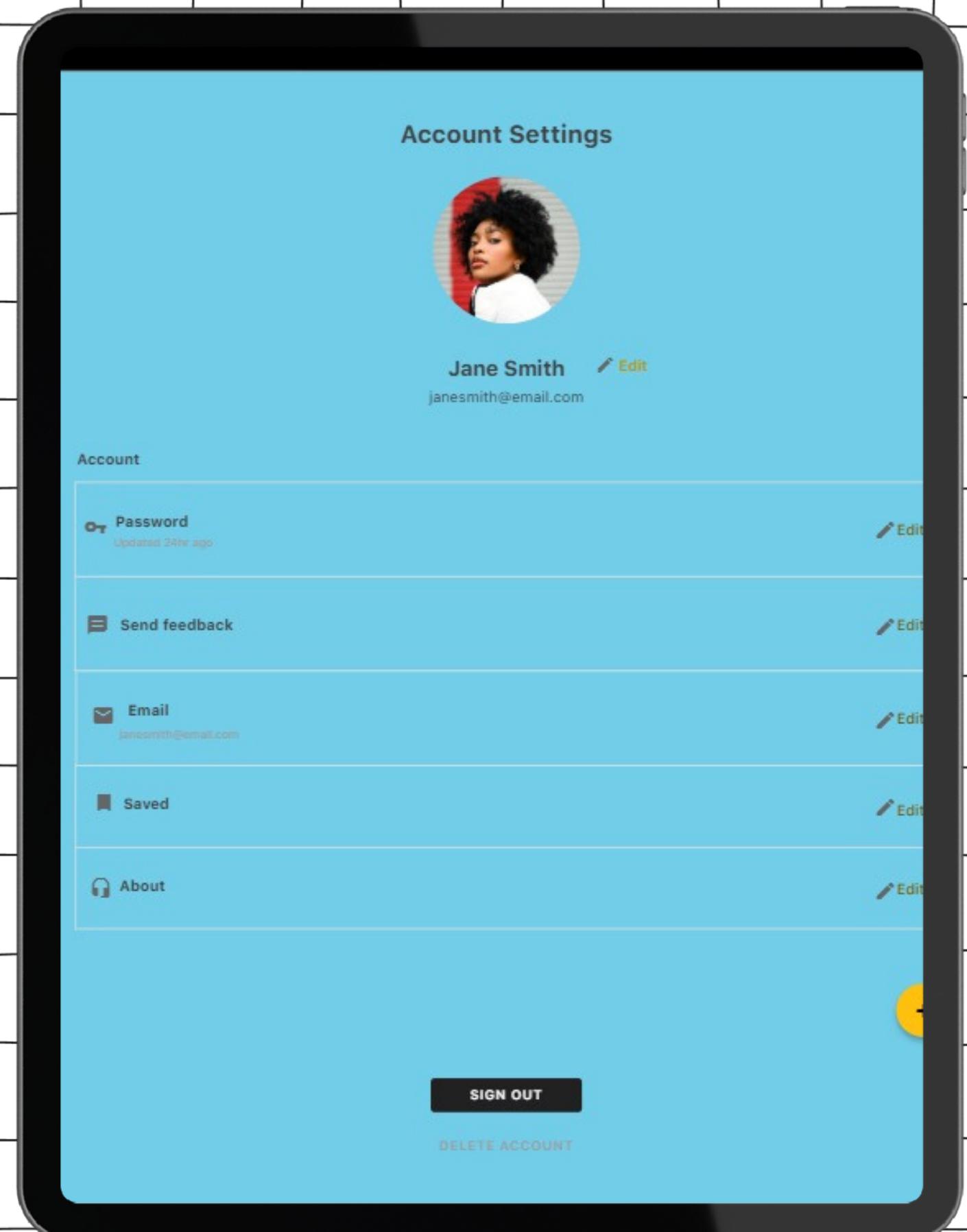
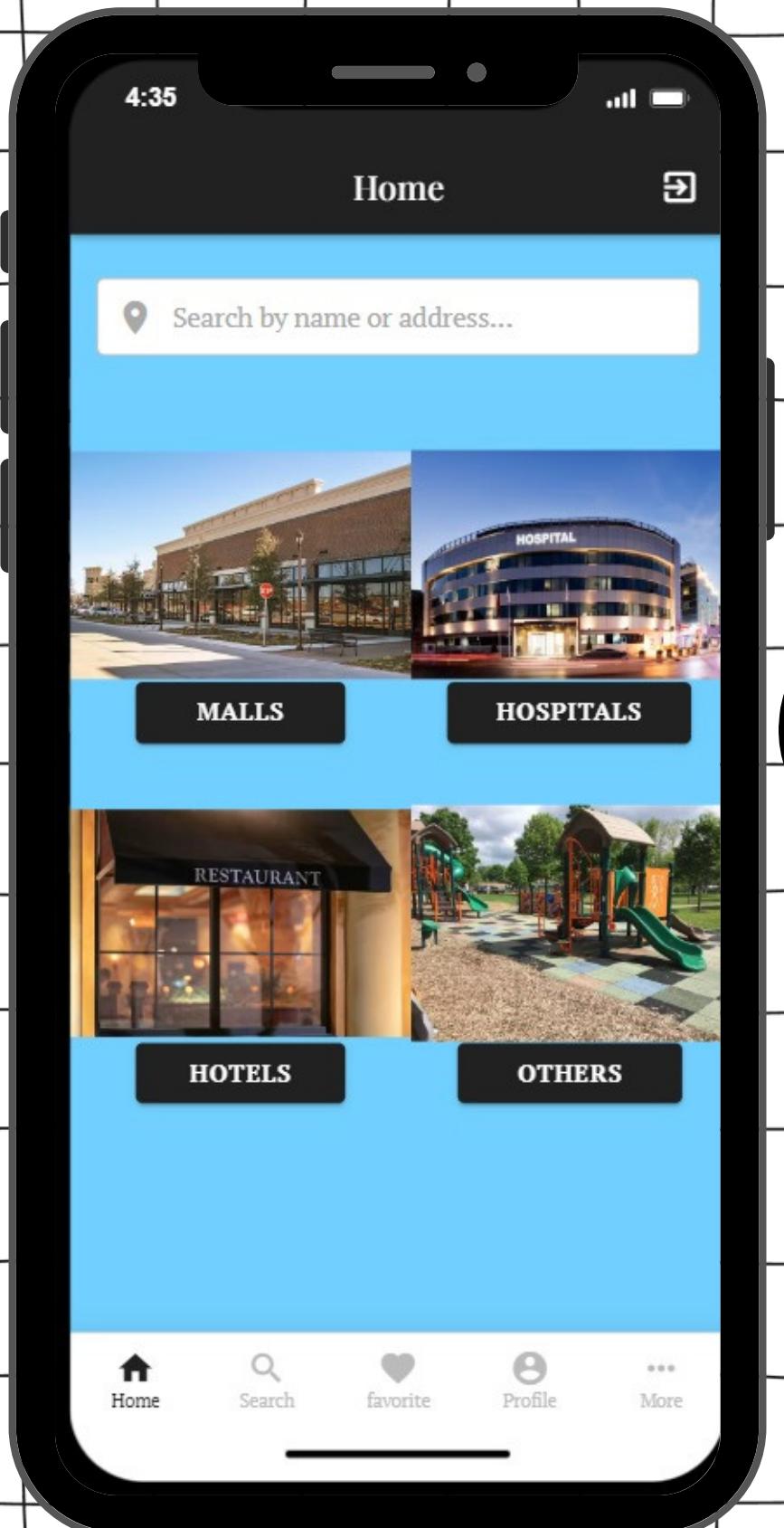
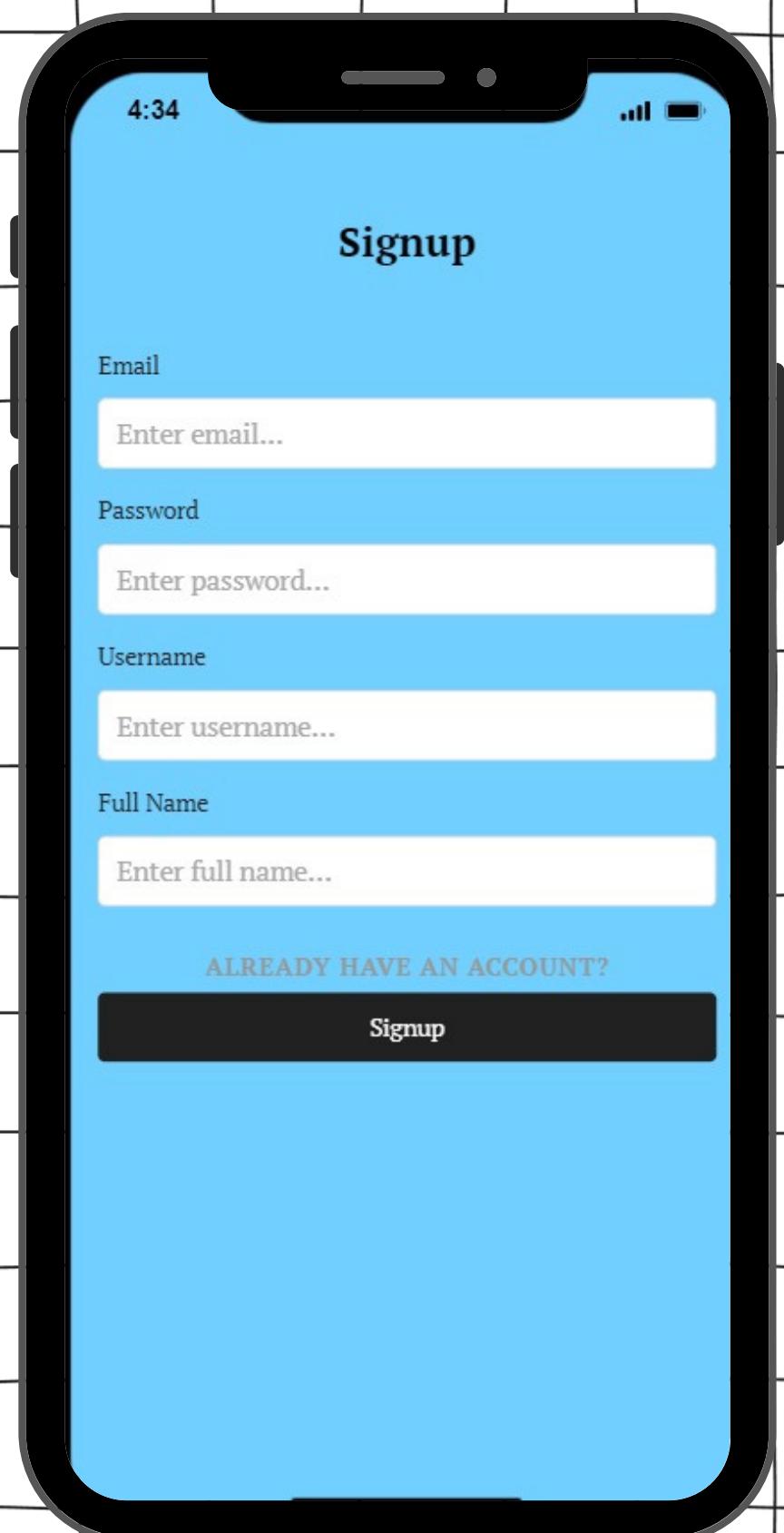
Historical and Cultural Sites

- History enthusiasts can explore historical sites, museums, and cultural landmarks in a given location.

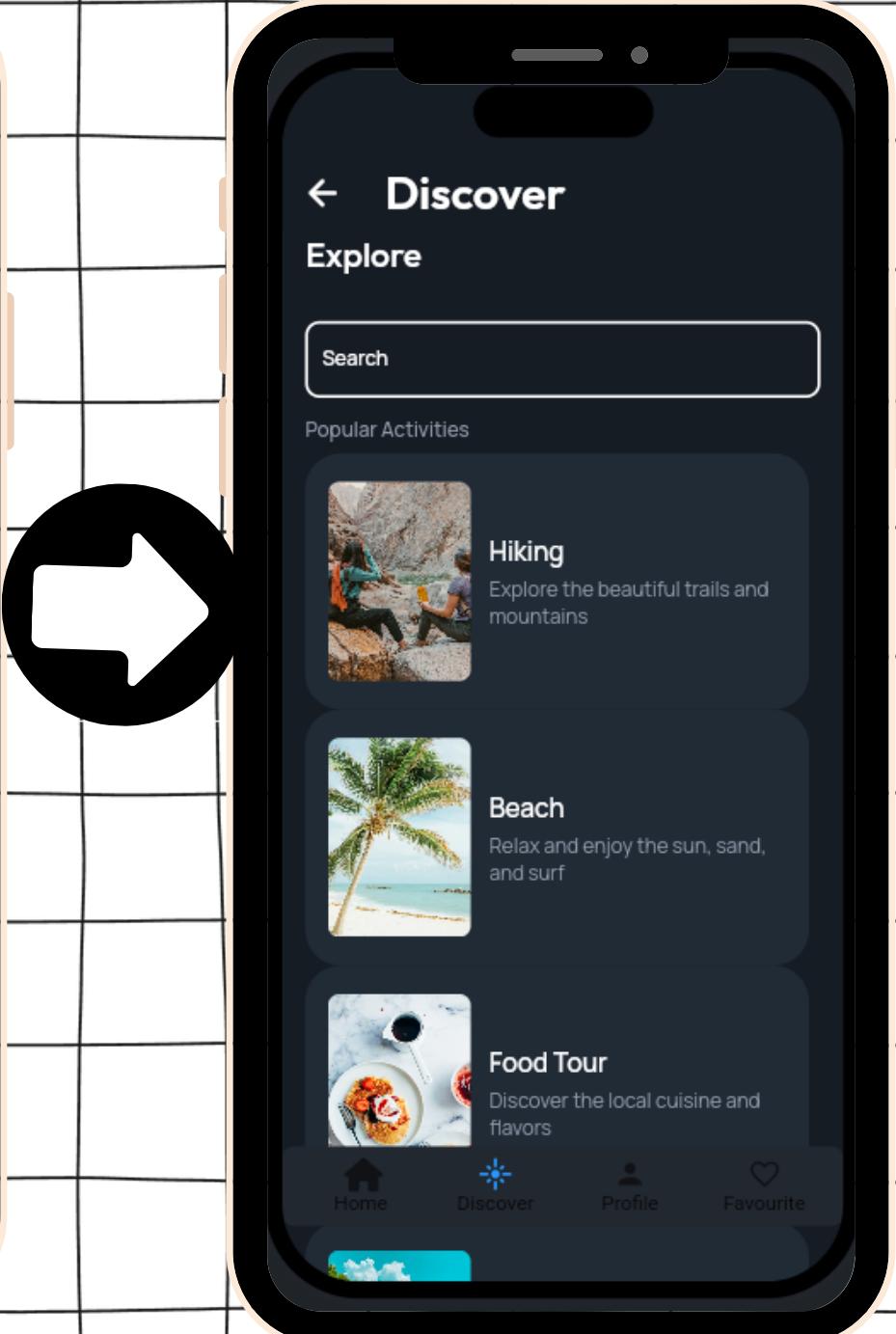
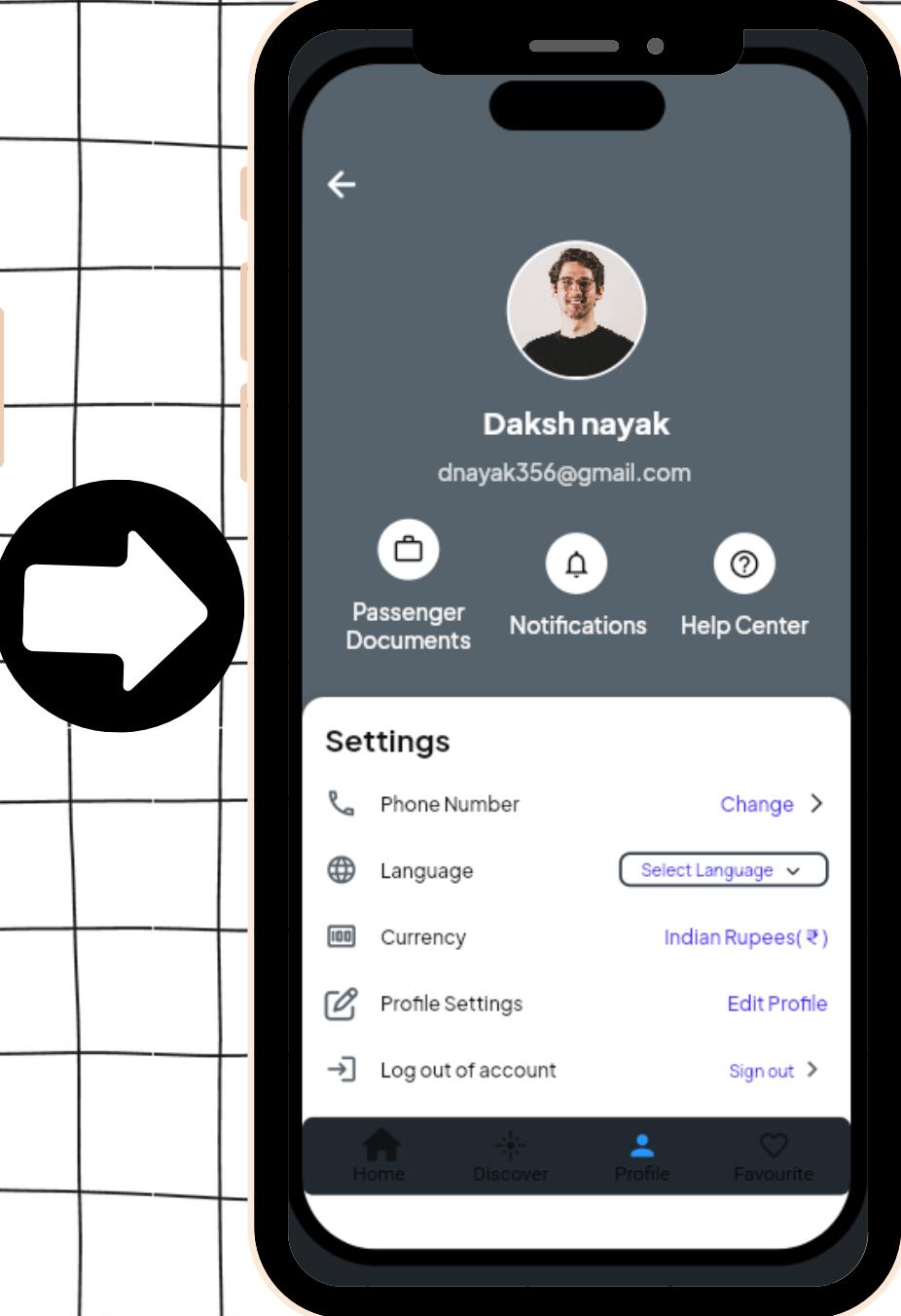
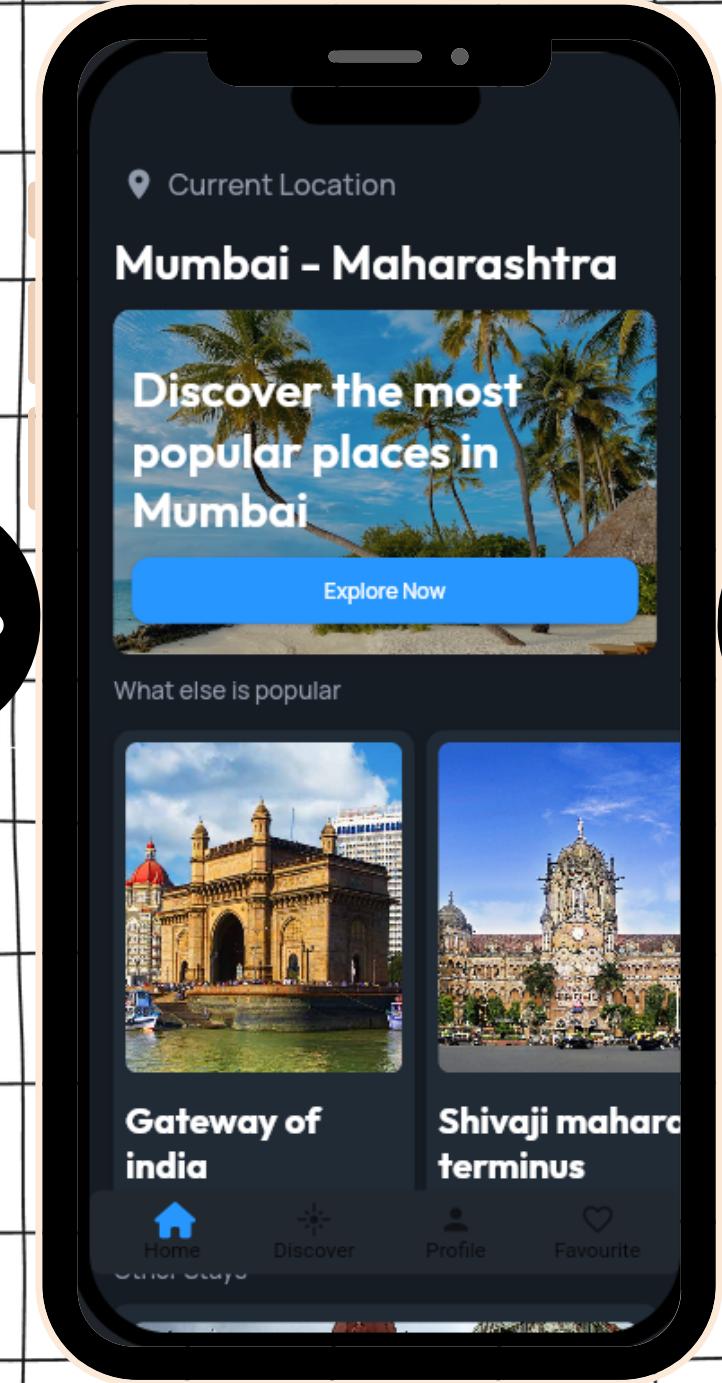
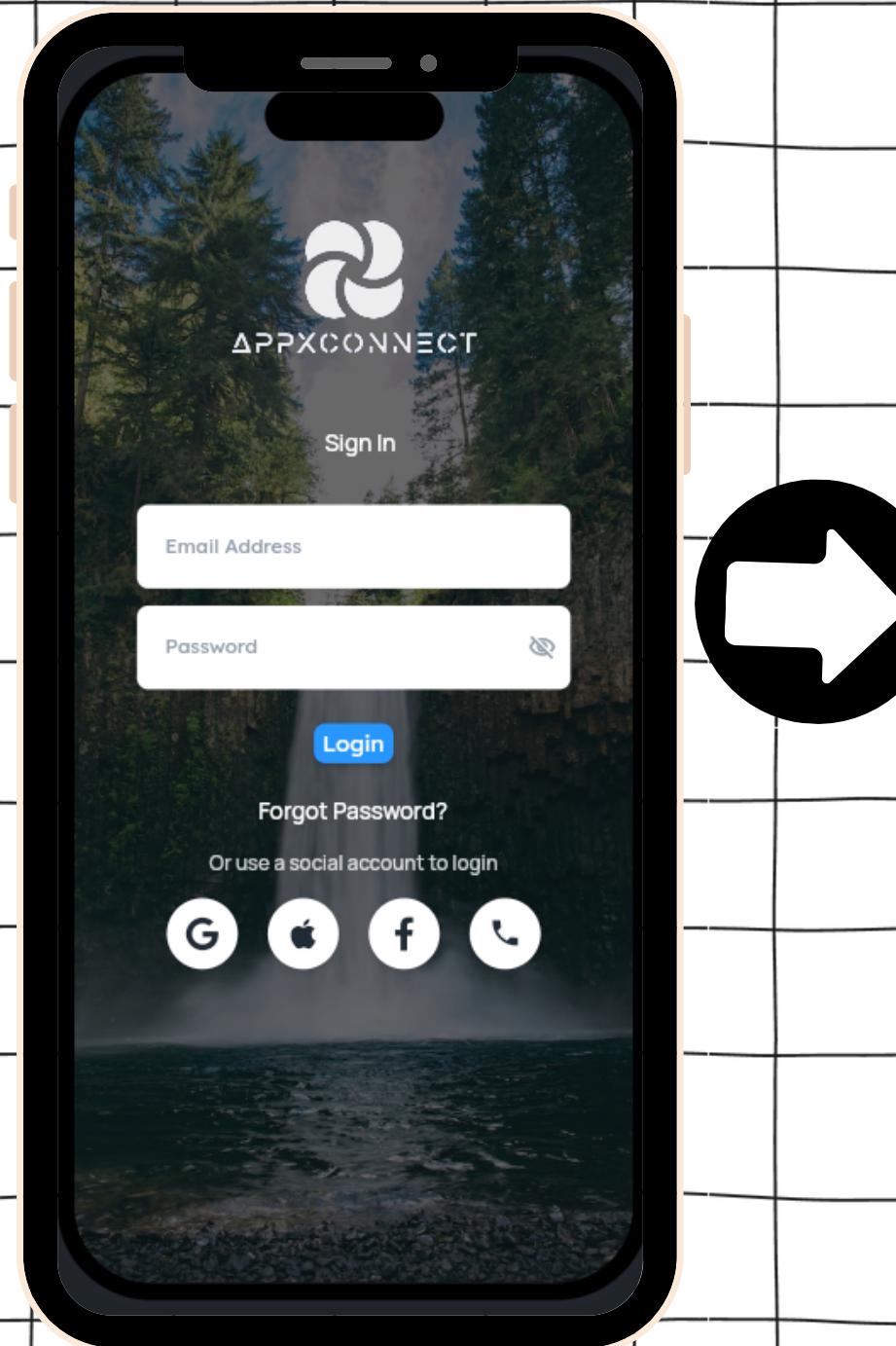
USE CASES

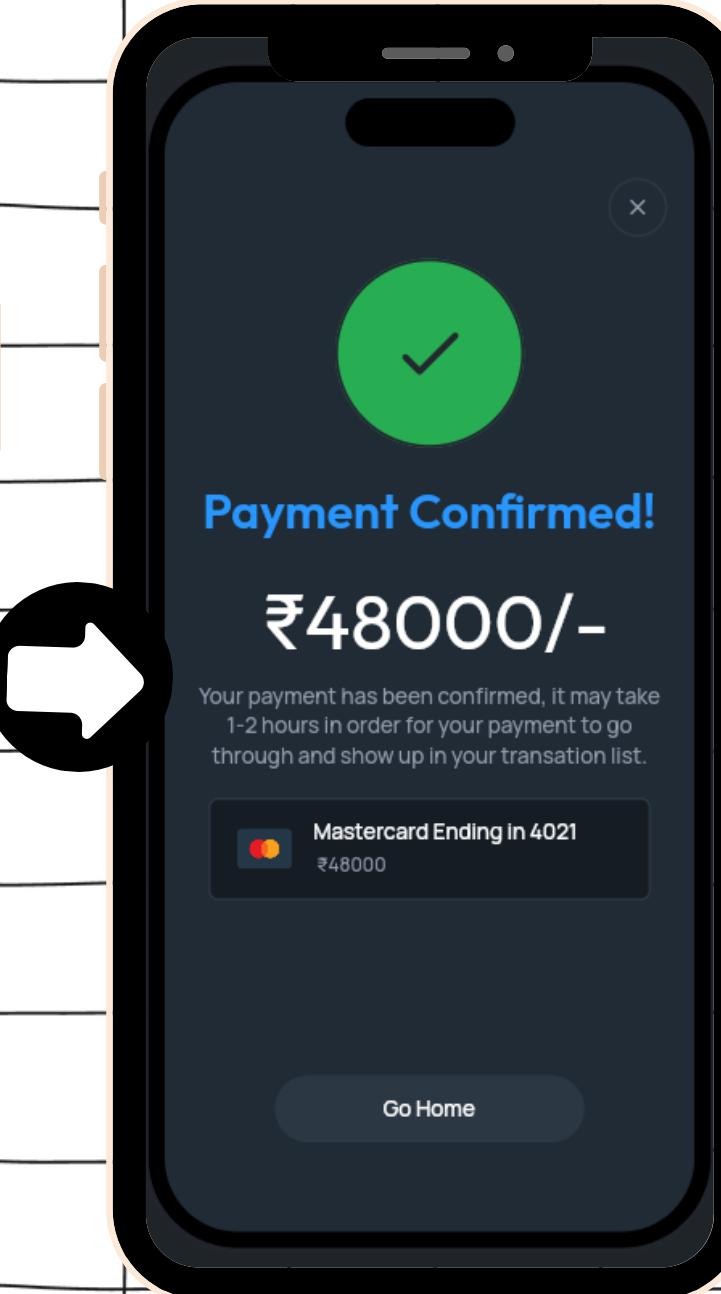
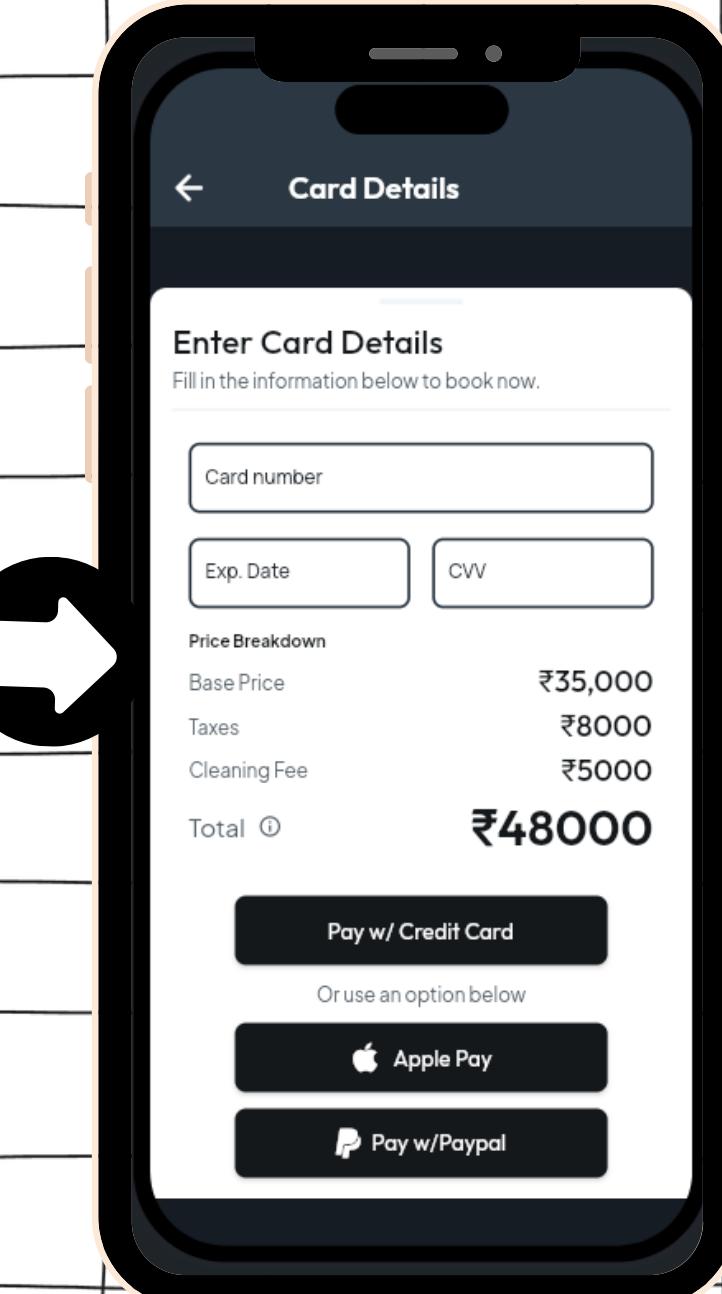
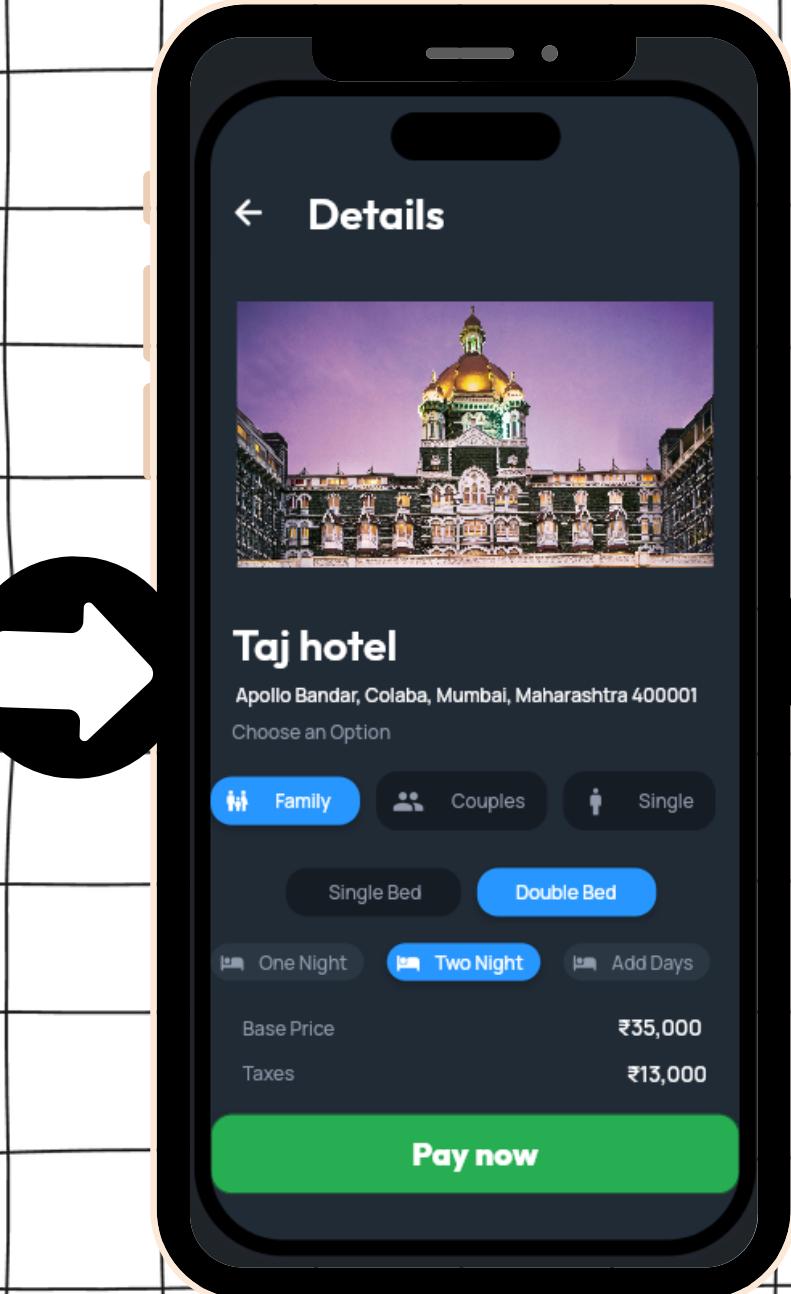
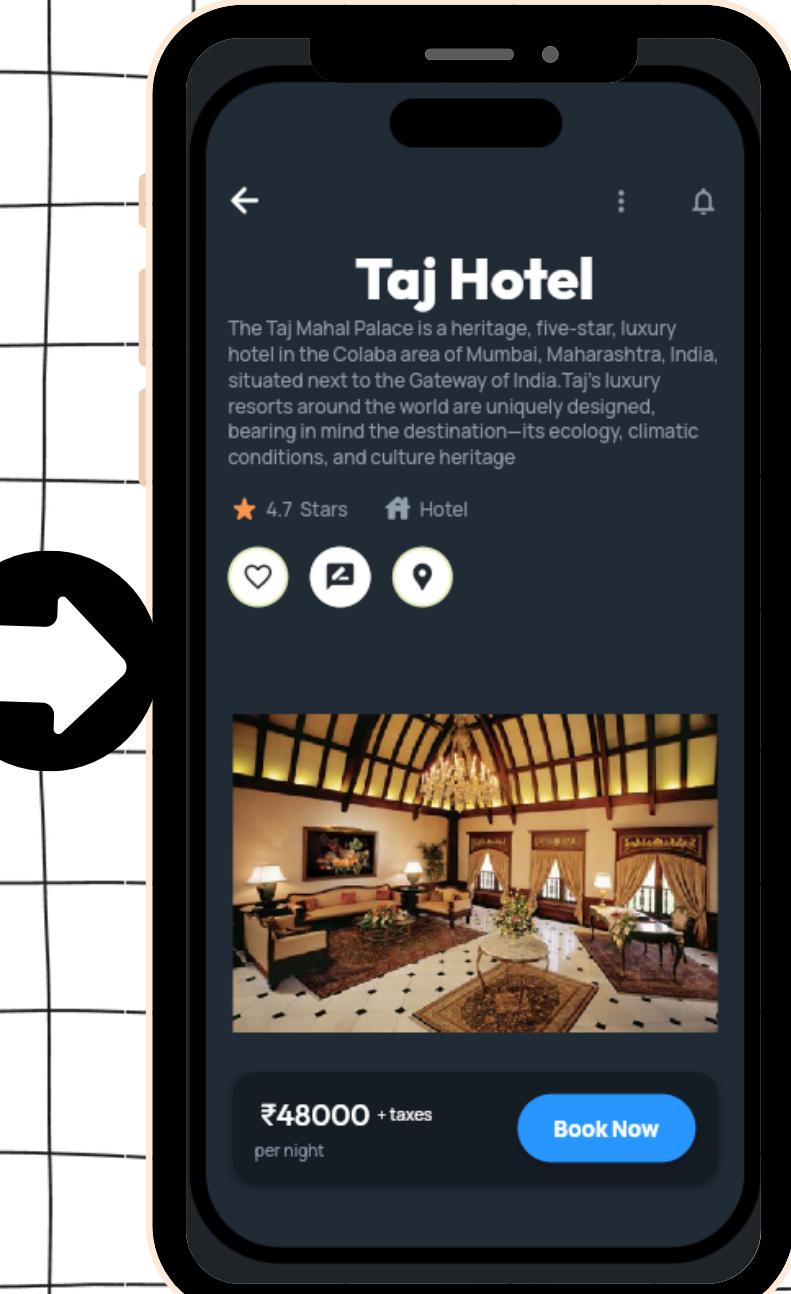
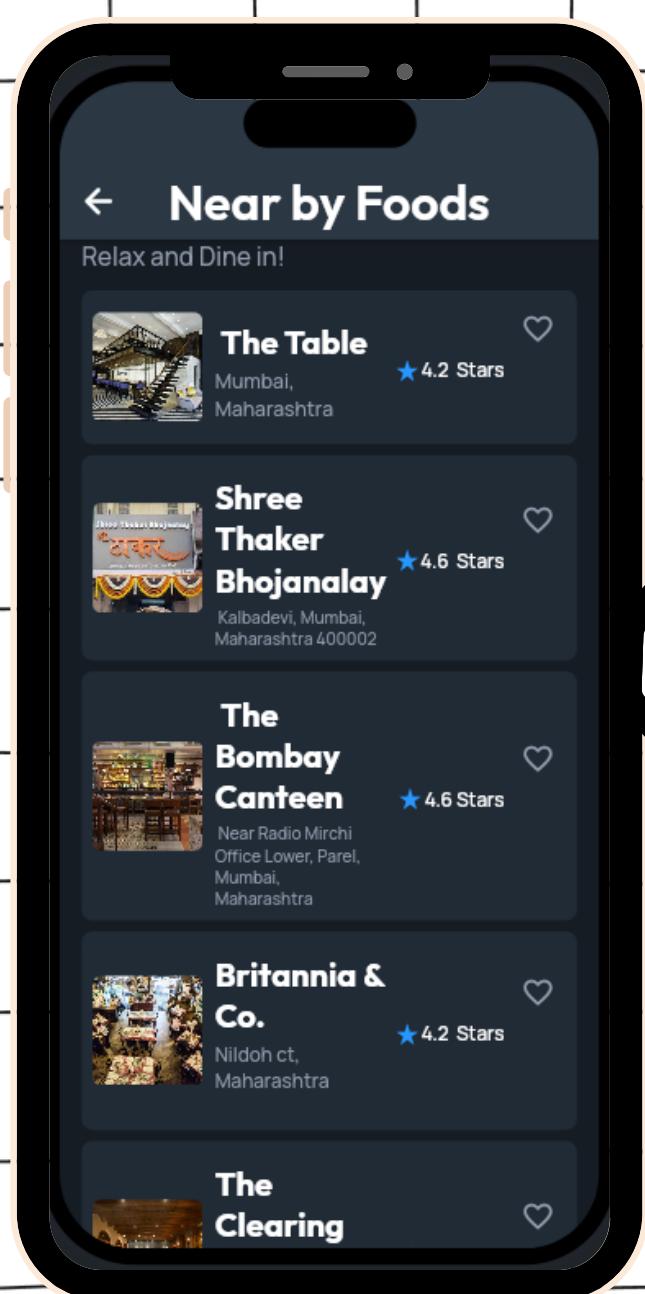
Demo Of The Working App(Blueprint)





Demo Of Real App: APPXCONNECT







WORKING MODEL:

A flowchart demonstration of the purposed solution will provide a visual representation of each step involved in the local business discovery app.



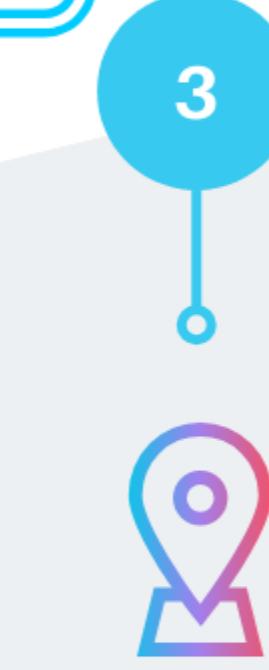
Launch App

Open the mobile app on your device.



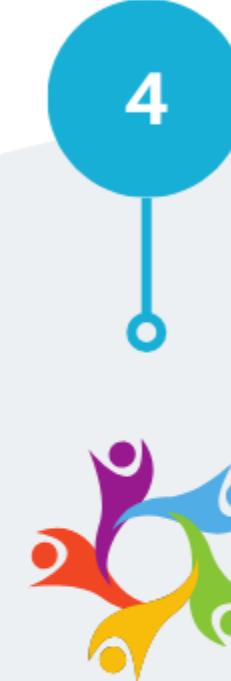
Home Screen

- Displays a search bar for quick searches.
- Options for popular categories (e.g., restaurants, attractions).



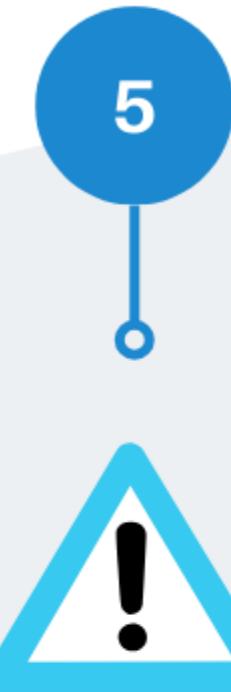
Map Integration

- Users can view search results on an interactive map.
- Tapping on a map marker provides more details about the place.



Community Engagement

- Users can share recommendations and discover local favorites from the community.
- Integration with social media for sharing.

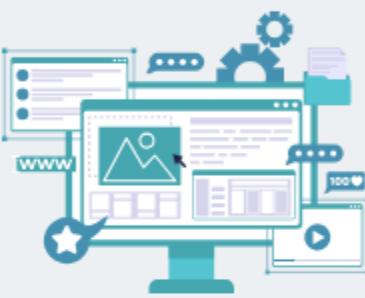


Emergency Services

- A dedicated section provides information on nearby emergency services.
- Quick access to hospitals, pharmacies, and police stations.



6



Logout/Exit:

Users can log out or exit the app.

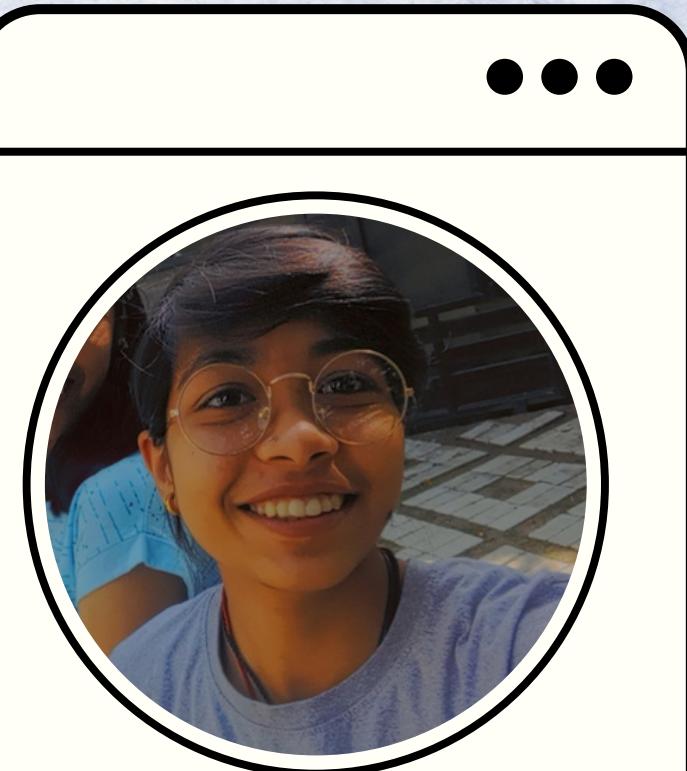
The Team



Fatima Zaki
Team Leader



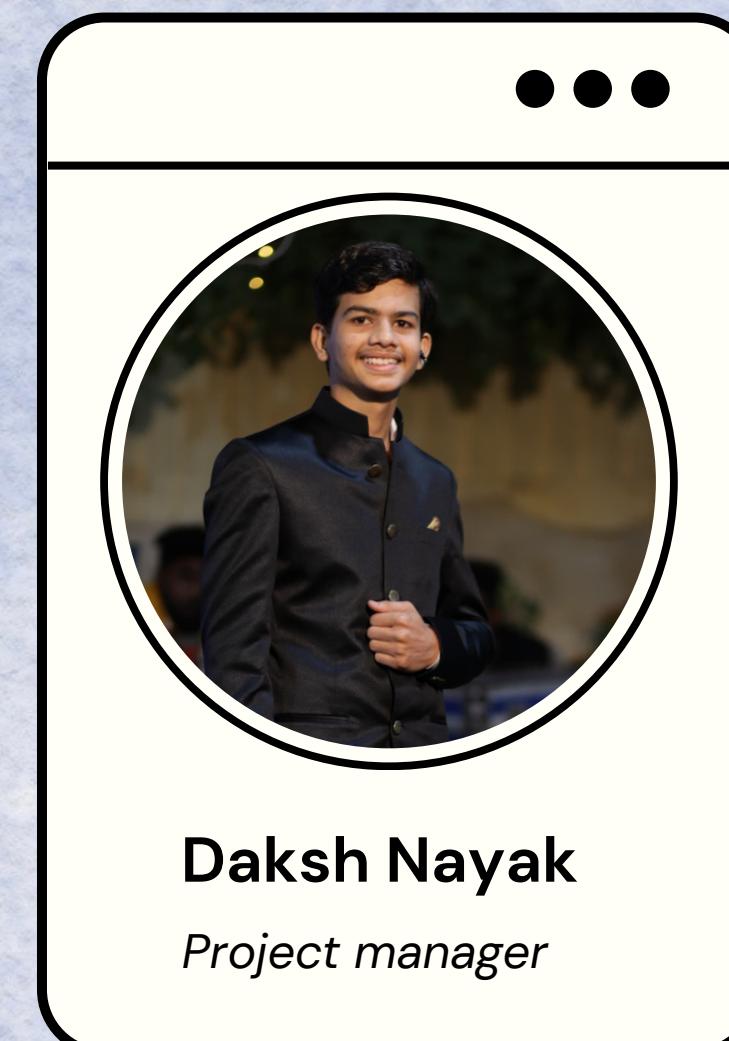
WHERE TECHNOLOGY MEETS
VISION



Rohini Mate
Coding Wizard



Ayush Burde
*Web Developer & Front-
End Specialist*



Daksh Nayak
Project manager

Thank you!

