



CSM3114
FRAMEWORK BASED MOBILE APPLICATION
ASSIGNMENT 2

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Title: Travel Assistance App

1.0 EXECUTIVE SUMMARY

Goal: By offering a comprehensive and user-friendly platform that helps travelers easily navigate new places, find local attractions, and obtain pertinent information, the Tourist Helper App seeks to improve the entire tourist experience. By providing features that improve on-the-go navigation, streamline trip planning, and ease cultural exploration, the app aims to meet the varied demands of travelers.

Interactive Navigation and Maps:

The application integrates dynamic and comprehensive maps to facilitate users' navigation within the selected location. Efficient travel is ensured by real-time updates on traffic, public transportation, and other routes.

Local Points of Interest and Attractions:

Users get access to a wealth of cultural and recreational experiences with carefully curated lists of must-see monuments, attractions, and hidden gems. The examination of historical places and monuments is improved by integration with augmented reality features.

Tailored Travel Scheme:

Users with customizable itineraries can arrange their travels in accordance with their interests, preferences, and time limitations. Making educated decisions is ensured by integration with user reviews and ratings.

Multilingual Assistance:

The software supports multiple languages so that travelers with different language backgrounds can use it. When traveling, users can overcome linguistic hurdles with the help of real-time translation services.

Events & Activities in the Area:

The most recent details about regional celebrations, events, and activities allow visitors to fully engage with the destination's vibrant culture.

Assistance in an emergency:

Users may be guaranteed they have instant access to medical services, local authorities, and other critical help by having integrated emergency services contact information.

Market Potential:

As the world's tourism sector expands, the Tourist Helper App seeks to take a sizable chunk of that market by catering to the changing needs of contemporary tourists. Travelers, whether for business or pleasure, will find the app invaluable as it emphasizes user convenience, cultural exploration, and real-time support.

Revenue strategy:

The Tourist Helper App will use a freemium business strategy, giving users access to basic functions at no cost and charging a premium for more advanced features like priority customer service, guided tour access, and more personalization possibilities.

2.0 USE CASE

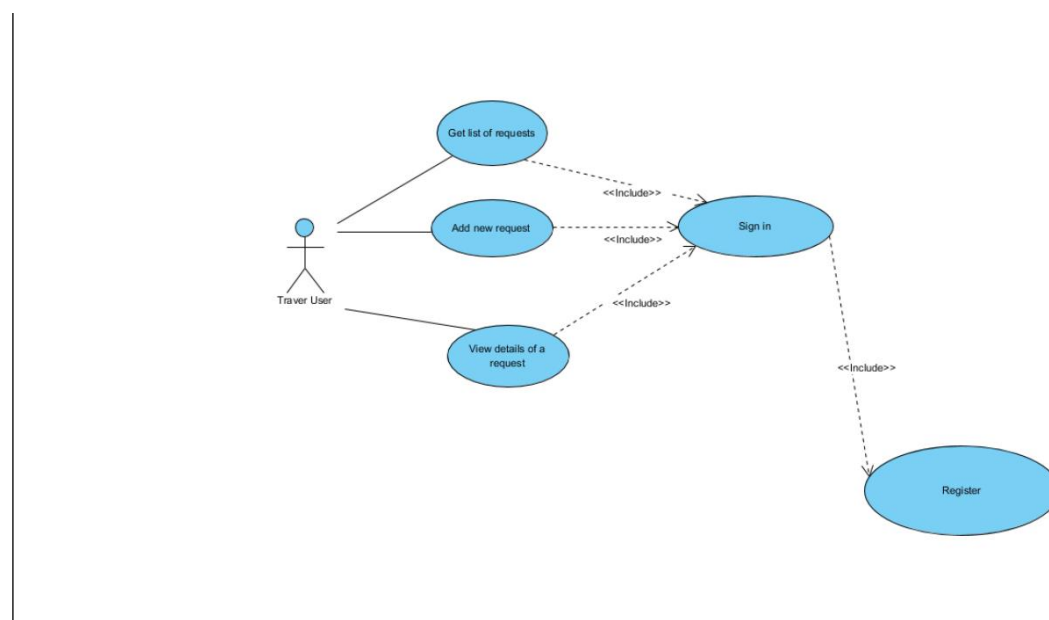


Figure 1: Guide User Use Case Diagram

The user can create an account, as indicated in the Guide User use case diagram, and then log in using that information. The user will have access to several functions after logging in. First, a list of requests from the Waiting, Processing, and Processed tabs will be visible to the user. Subsequently, this user can verify all the user's details and set the request's status to Processing. Following negotiations with the travel user regarding the planned trip, this user will have the option to set the request status to Processed or not. If the user chooses to proceed, the request will be transferred from the Processing tab to the Processed tab.

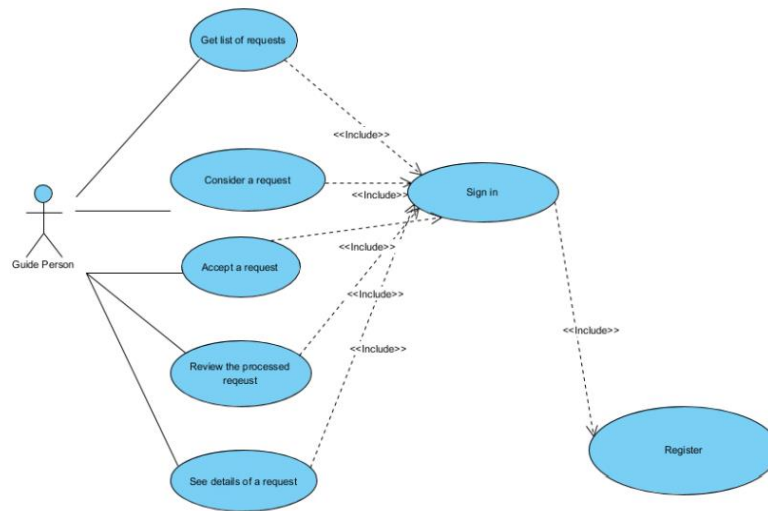


Figure 2: Guide User Use Case Diagram

The first user group's travel application has a sign-up and log-in process that uses the email and password parameters. Additionally, it supports the sendRequest and reviewRequest methods, which enable you to submit new requests to the Guide Person group. The parameters of these requests include the destination, the guest name, the guest number, the day, and the contact information. The status value is immediately set to 0.

The Guide Person Application also has a sign-up and log-in feature that makes use of the password and email fields. It has the reviewRequests section, which displays a list of requests along with their specifics. The method will be contained in the request itself. With the help of the Process method, the user can modify the status value of the waiting request from 0 to 1. The Accept method, which enables the user to change the status value from 1 to 2, will also be included in the Processing request.

3.0 TREE WIDGET

Tree widgets were probably used in the creation of the Tourist Helper Application to effectively arrange and present hierarchical data. Applications frequently use tree topologies to depict parent-child relationships and offer a clean, well-organized means of presenting data. An overview of the typical tree widget structure that may have been used in the program is provided below:

TreeView/TreeViewItem:

TreeView: It serves as the root container for the entire tree structure. It manages the hierarchical organization of nodes.

TreeViewItem: Each TreeViewItem represents a single node in the tree. It can hold data, child nodes, and is the basic building block of the tree structure.

Nodes and Hierarchical Structure:

Each TreeViewItem is a node, representing a specific item or category within the tourist helper application.

Hierarchy: The hierarchical structure is fundamental, allowing nodes to have parent-child relationships. For example, a city node may have child nodes representing landmarks within that city.

Iconography:

Icons: Icons associated with nodes serve as visual indicators of the type of content. For instance, a museum node might have a museum icon.

Visual cues: Icons provide users with quick visual cues, aiding in the recognition of different types of information.

Labels and Text:

Each TreeViewItem has a label or text associated with it, providing a clear and concise description of the item it represents.

Dynamic content: The text may be dynamically generated based on the underlying data, ensuring that the displayed information is always up-to-date and relevant.

Expanding and Collapsing Nodes:

Users can expand or collapse nodes to reveal or hide child nodes, allowing for a flexible and customizable view of the information.

User control: This feature empowers users to control the level of detail they want to see, making navigation more intuitive.

Selection Handling:

Users can select nodes to interact with the associated content or trigger specific actions.

Highlighting: Highlighting selected nodes provides immediate feedback to users, indicating the node they are currently interacting with.

Context Menus and Actions:

Nodes offer context menus through right-click or long-press actions, providing a set of relevant actions users can take.

Customization: Users can perform actions like editing, deleting, or accessing additional information based on the context menu options.

Drag-and-Drop Functionality:

Users can drag and drop nodes to rearrange the hierarchy or move items between categories, offering a dynamic way to organize information.

Intuitive organization: This feature enhances user experience by allowing them to organize the tree structure in a way that makes sense to them.

Search and Filtering:

Search functionality: Users can search for specific items within the tree, making it easy to locate information quickly.

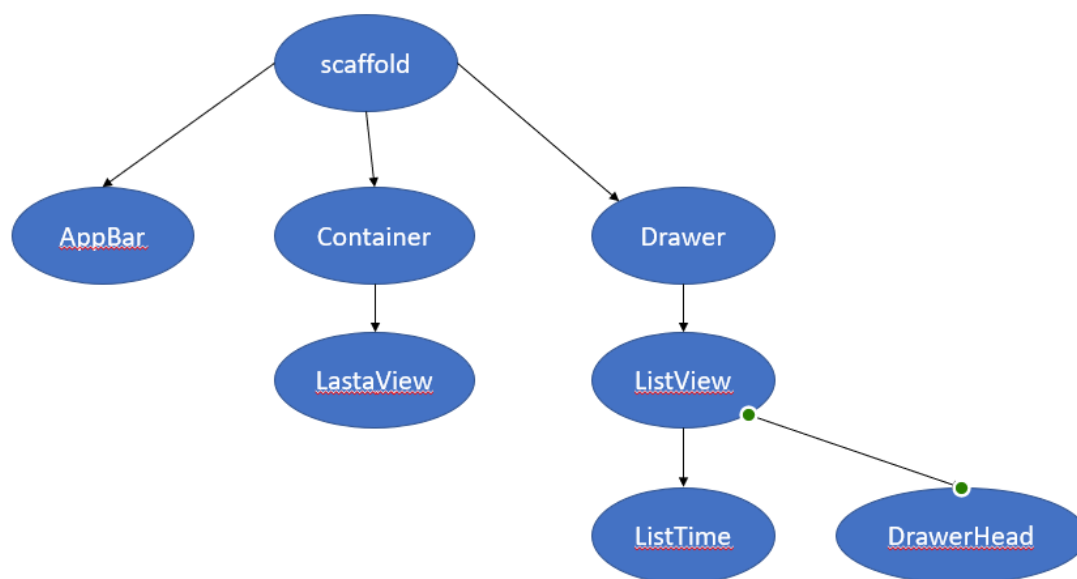
Filtering options: Users can apply filters to narrow down the displayed content, focusing on specific criteria or preferences.

Data Binding:

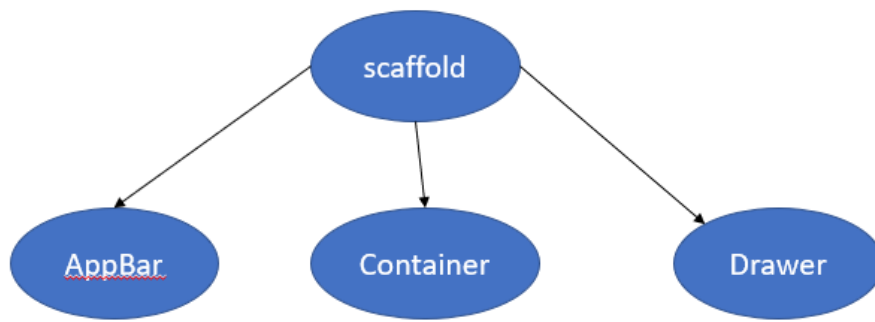
Consistency: Data binding ensures that changes in the underlying data are immediately reflected in the tree widget.

Real-time updates: This feature ensures that users always have access to the latest information, creating a seamless and responsive user experience.

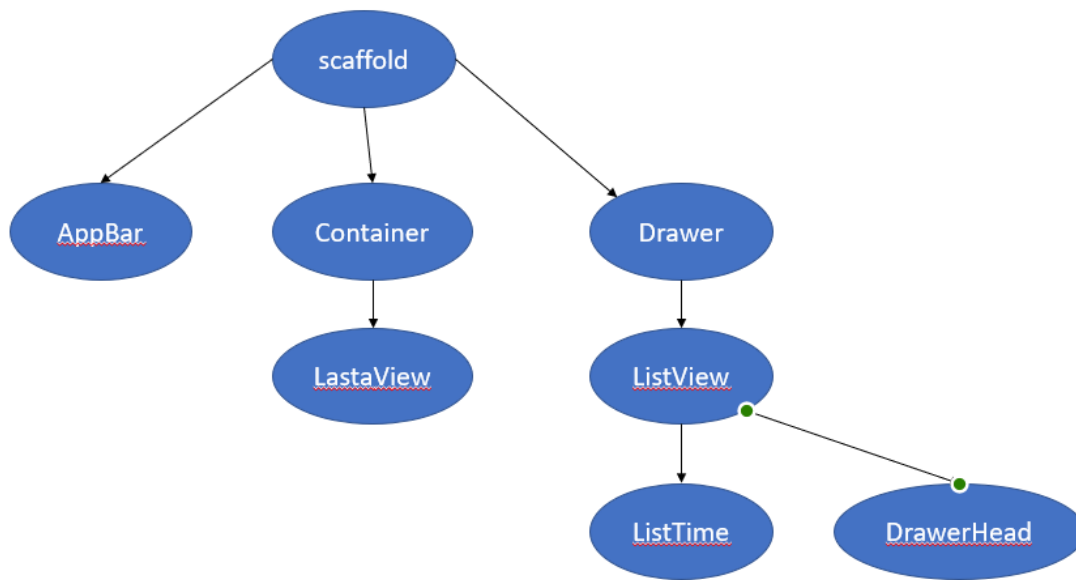
By incorporating these detailed elements, the tree widget in the Tourist Helper Application provides users with a powerful and intuitive tool for navigating and exploring tourist-related information. It combines visual cues, user interaction, and dynamic content to enhance the overall user experience.



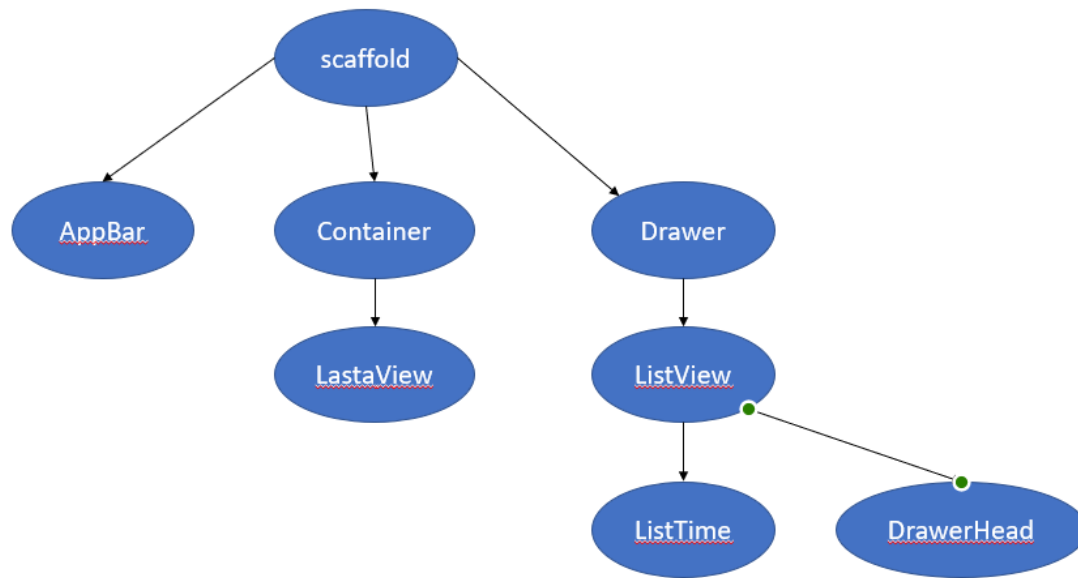
Homescreenpage



Signinpage

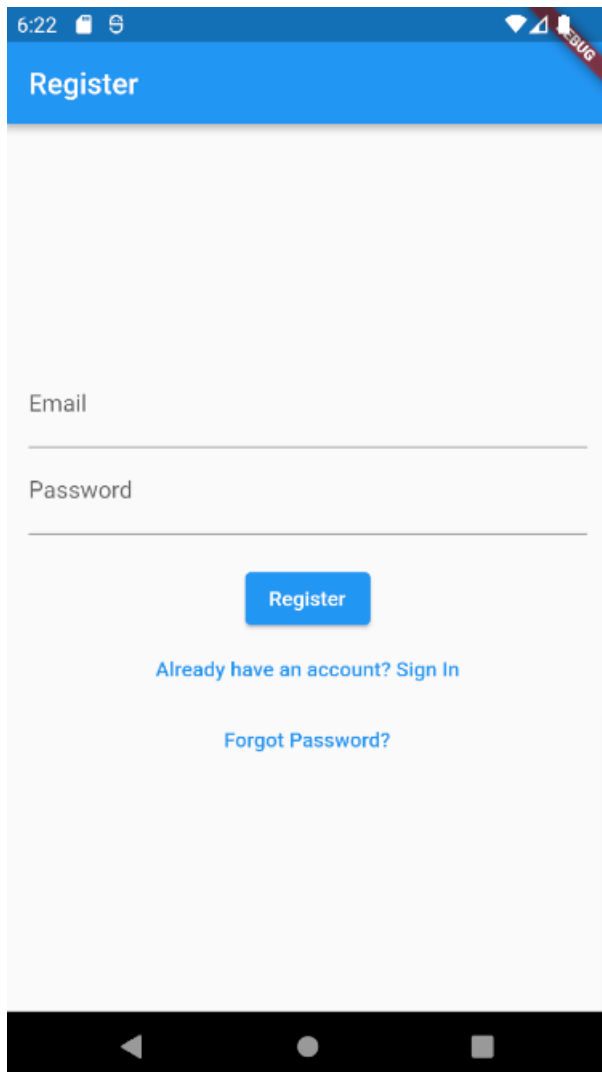


ReviewDestinationScreen



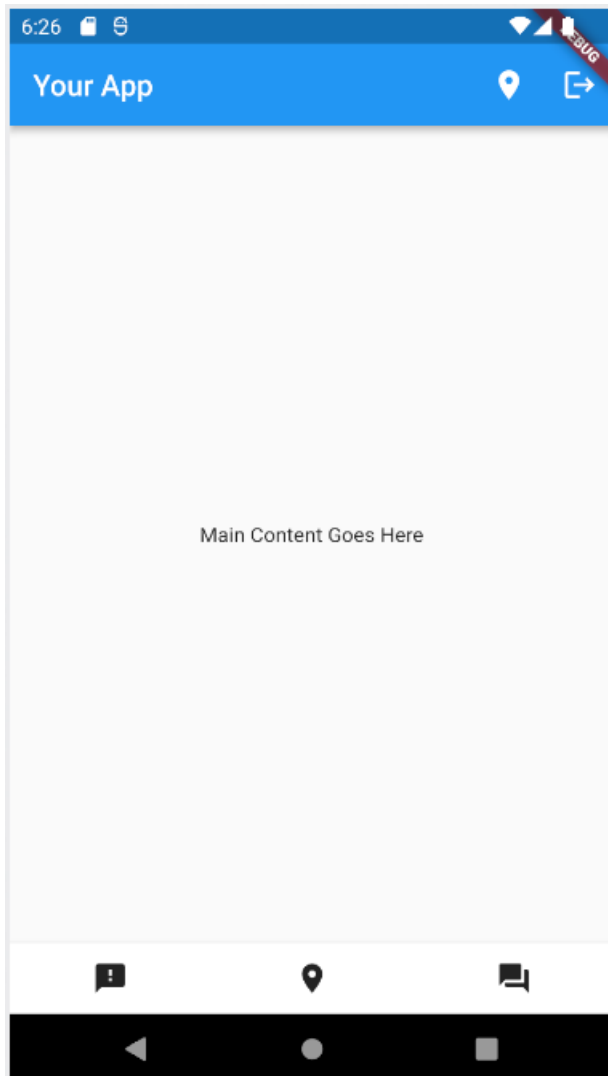
DestinationScreen

5.0 SAMPLE AND EXPLANATION

A screenshot of a mobile application's registration screen. The screen has a blue header bar with the word "Register" in white. Below the header, there are two input fields: "Email" and "Password", each with a horizontal line for text entry. A blue button labeled "Register" is positioned below the password field. Underneath the button, there are two links in blue text: "Already have an account? Sign In" and "Forgot Password?". The screen is framed by a black status bar at the top showing the time 6:22 and various icons, and a black navigation bar at the bottom with three icons.

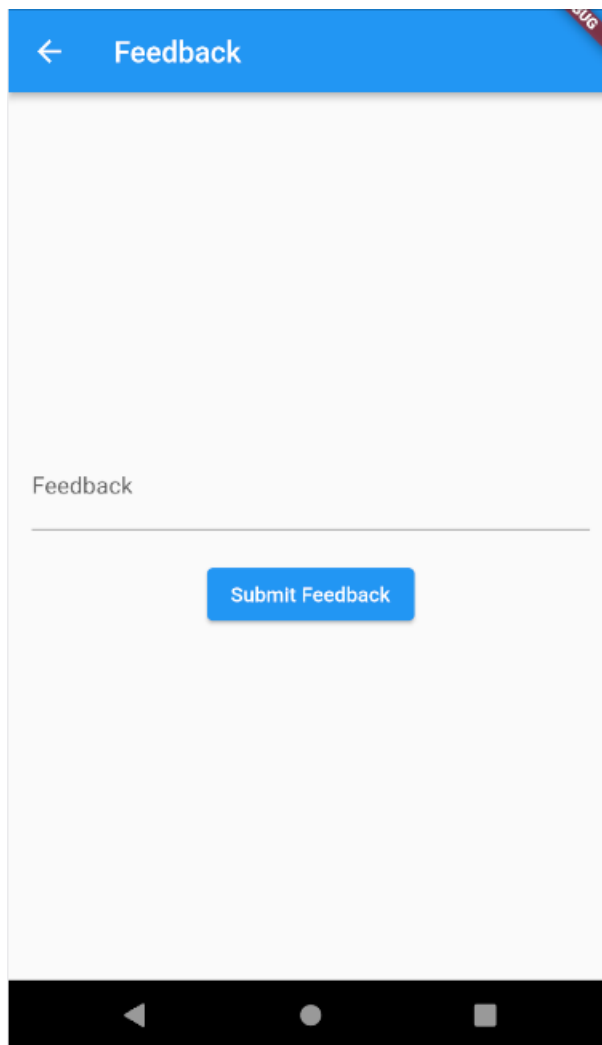
RegisterScreen

The register screen have 2 thing, email and password that user must register first before login in the system.



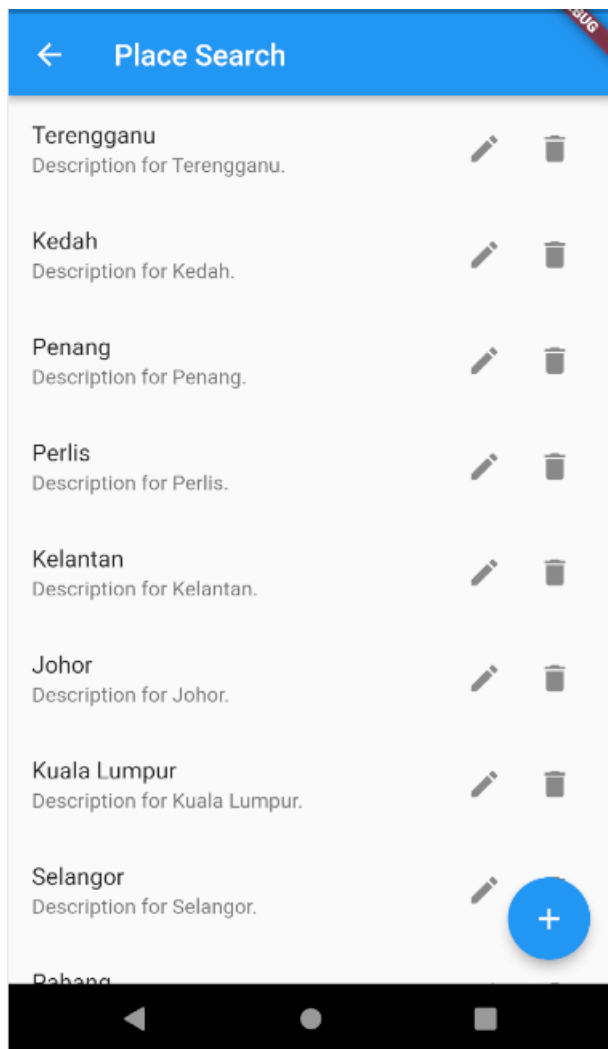
MainScreen

The main screen have manu bar(feedbac, Q&A, Location and search)



FeedbackScreen

The feedback screen can make the user give the feedback about the system



Placesearchscreen

That part user can add or edit the place that user go, than user can see what the best place In Malaysia.

6.0 Conclusion

In conclusion, the Tourist Helper App represents a groundbreaking solution poised to revolutionize the way tourists conduct research and navigate unfamiliar destinations. With its intuitive and user-friendly features, the app provides travelers with a seamless and enriching experience. The extensive information curated within the application ensures that users have access to comprehensive details about various places, attractions, and amenities, empowering them to make well-informed decisions during their journeys.

The Tourist Helper App stands out for its commitment to enhancing the overall tourist experience. By addressing the diverse needs of travelers and offering a reliable platform for information, the app has the potential to become an indispensable companion for globetrotters worldwide. Whether it's exploring local landmarks, finding the best dining options, or discovering hidden gems, users can trust the Tourist Helper App to guide them through every step of their adventure.

As technology continues to play a pivotal role in shaping the way we explore the world, the Tourist Helper App emerges as a forward-thinking and inclusive tool that caters to the evolving demands of modern travel. By leveraging the power of information and accessibility, the app is not just a navigation tool but a transformative force in empowering individuals to make the most out of their travel experiences. In a global landscape where tourism is a dynamic and integral part of cultural exchange, the Tourist Helper App stands as a beacon, providing a reliable and innovative solution for travelers seeking to make the most of their journeys.

7.0 Reference

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2. https://www.theseus.fi/bitstream/handle/10024/167433/Thesis_Report.pdf?sequence=2&isAllowed=y
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