



EASY GO



TRAVEL ASSISTANT APP

A complete travel guide, Travel destinations, hotels and more

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INTRODUCTION

The number of people who take travelling seriously has been increasing for the past few years. If we reckon with people from India we can see a tremendous change in the realm of globetrotting. People are exploring different strategies for travelling, they are riding their motorcycles, hitchhiking, some of them even go to the extremes like walking and cycling. They are expected to face many difficulties this voyage. We have developed EasyGo as a solution for their struggles.

FRONT END


- Flutter SDK
- Dart Language
- Flutter Widgets

BACK END :

- Firebase
- Maps API
- Places API
- Autocomplete API
- Dialogflow

LOGIN SCREEN :

4:38 PM | 13.6KB/s



Sign In

Email


Password

Log In

Don't have an account, sign up here

Sign in as Anonymous

4:38 PM | 15.3KB/s



Create a Account

Full Name

Email

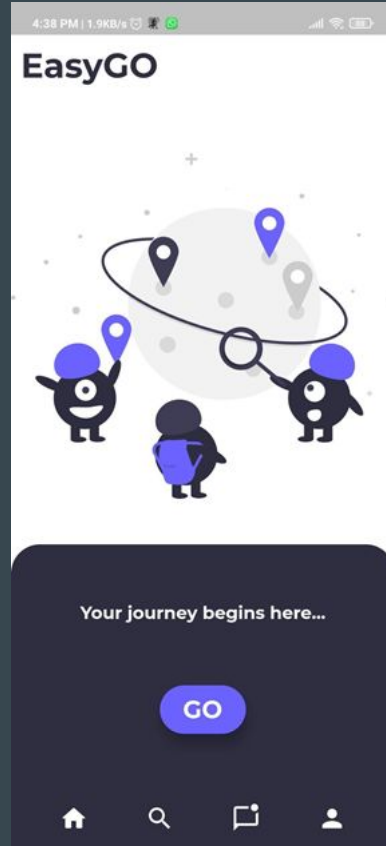
Phone Number

Password

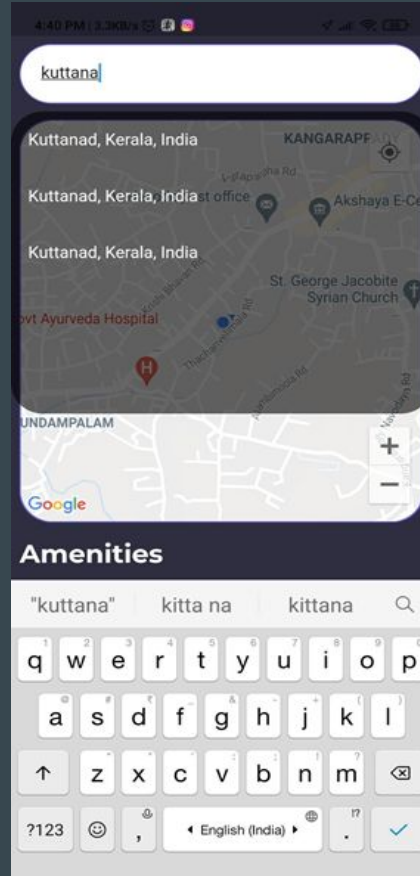
Register

Already have an account? Log in

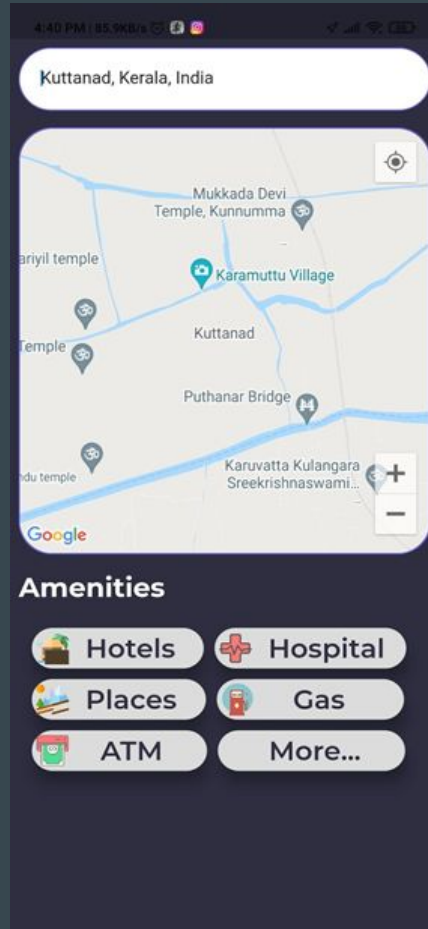
HOME SCREEN :



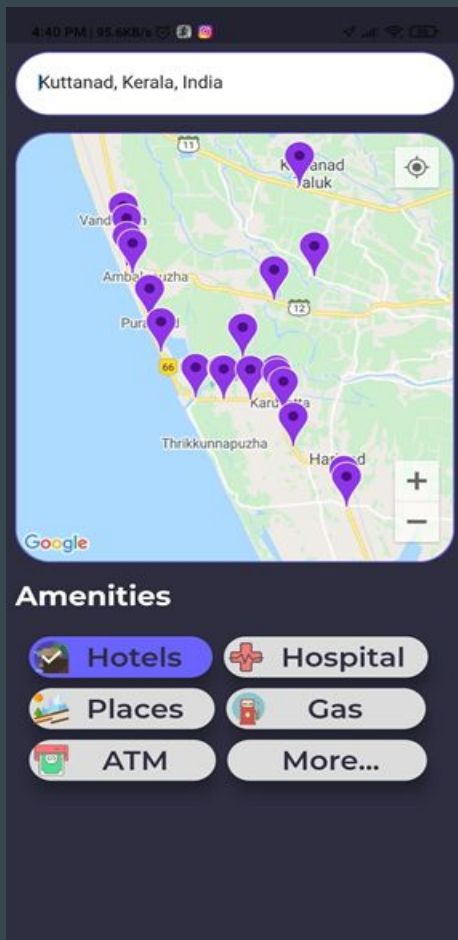
SEARCH AUTOCOMPLETE :



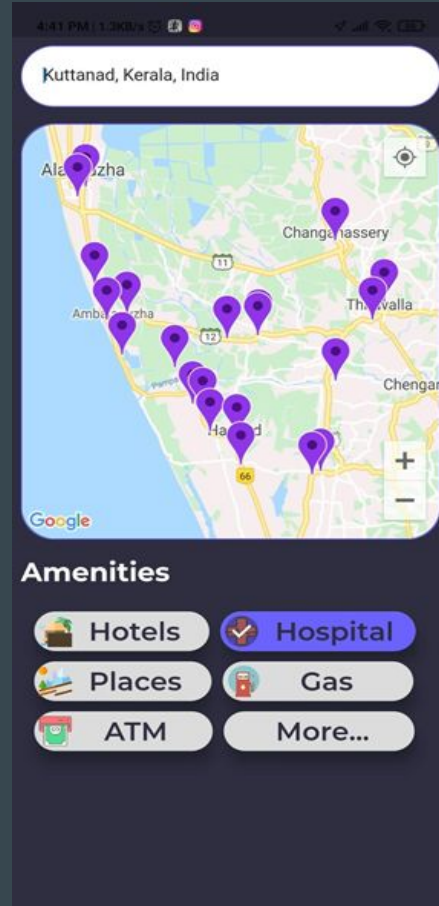
SEARCH LOCATION VIEWER :



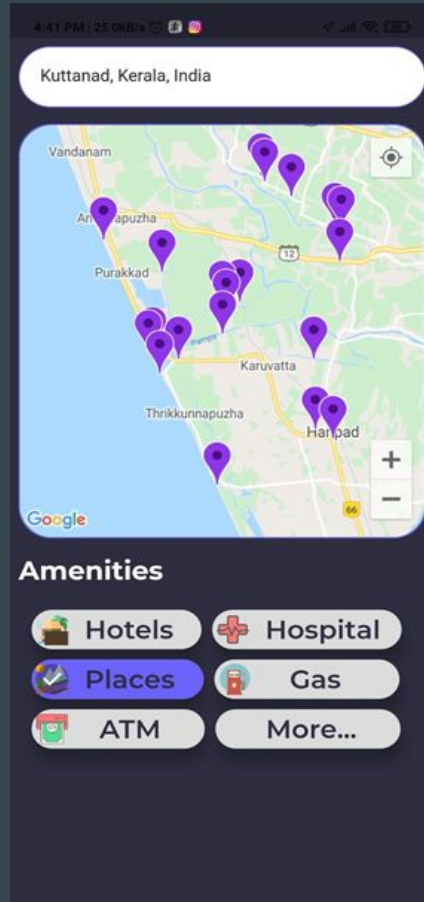
HOTELS :



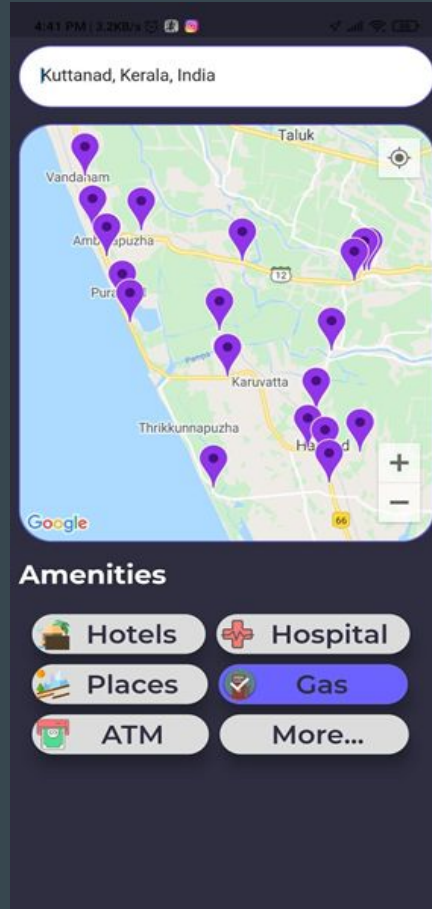
HOSPITALS :



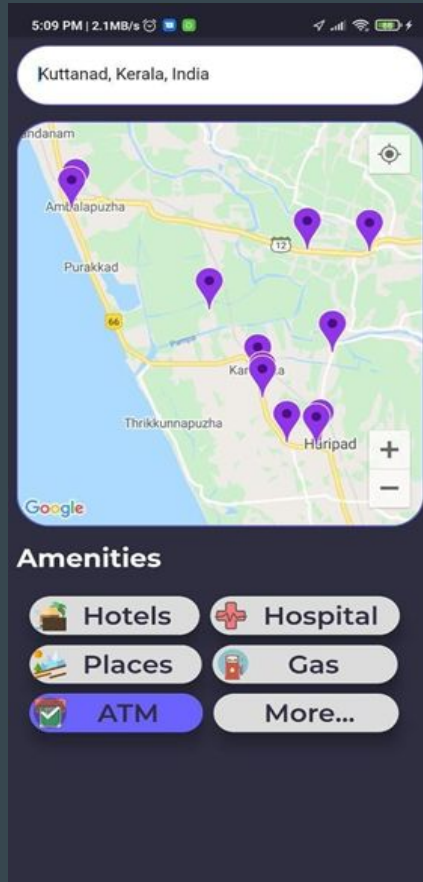
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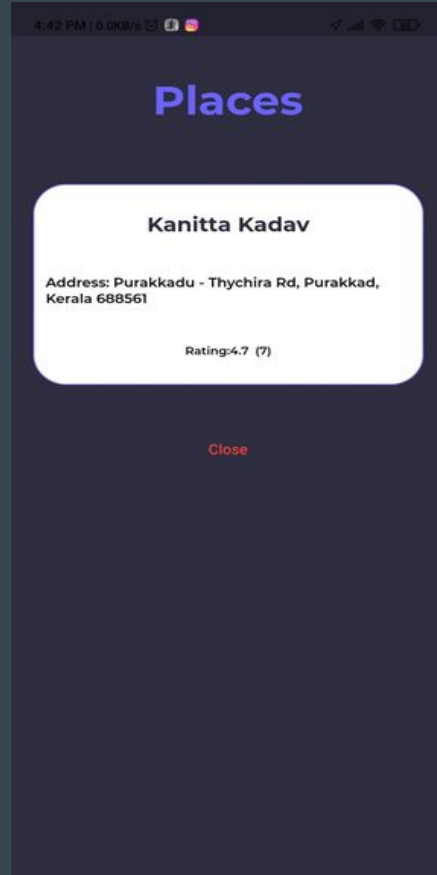
GAS STATIONS :



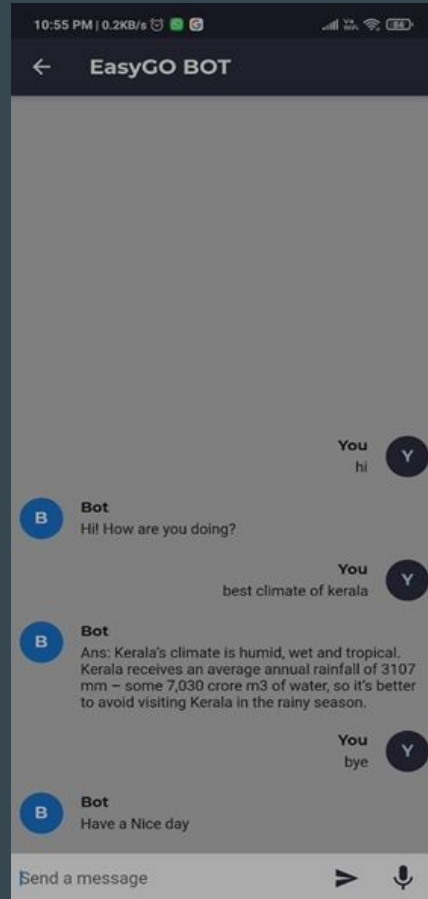
ATMS :



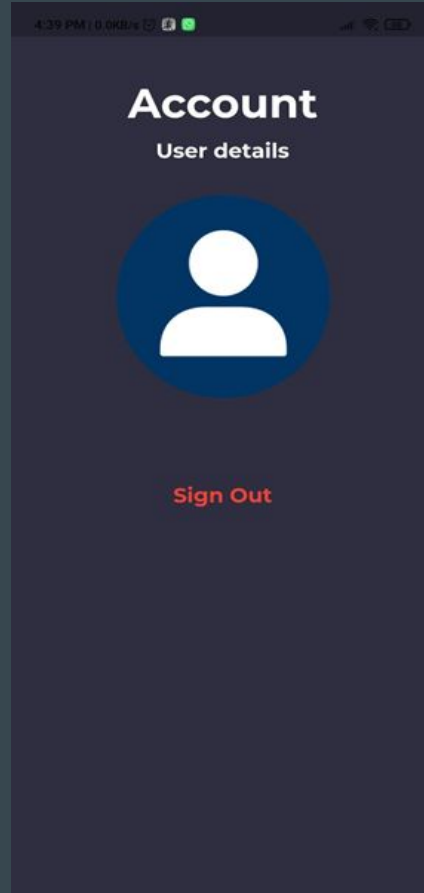
AMENITY DETAILS :



CHATBOT :

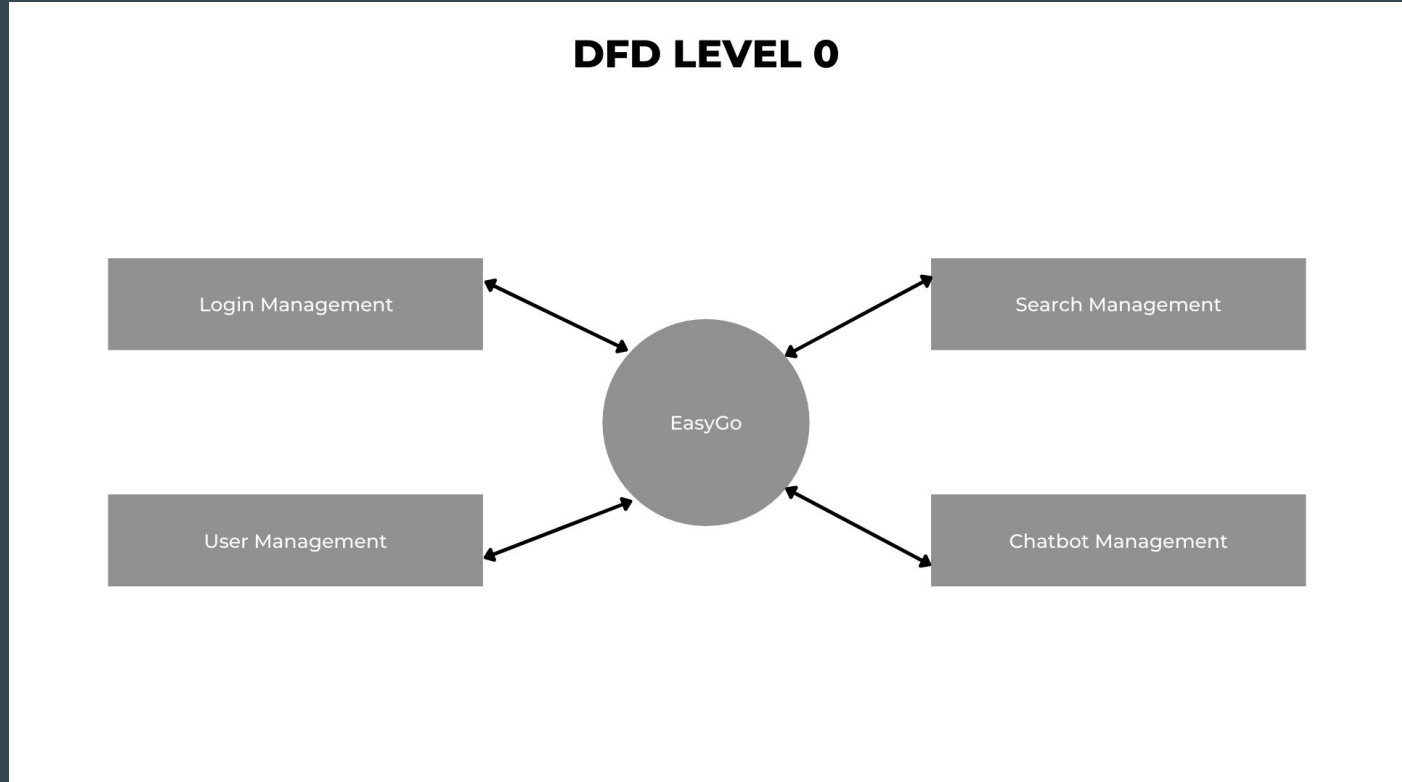


ACCOUNT SCREEN :



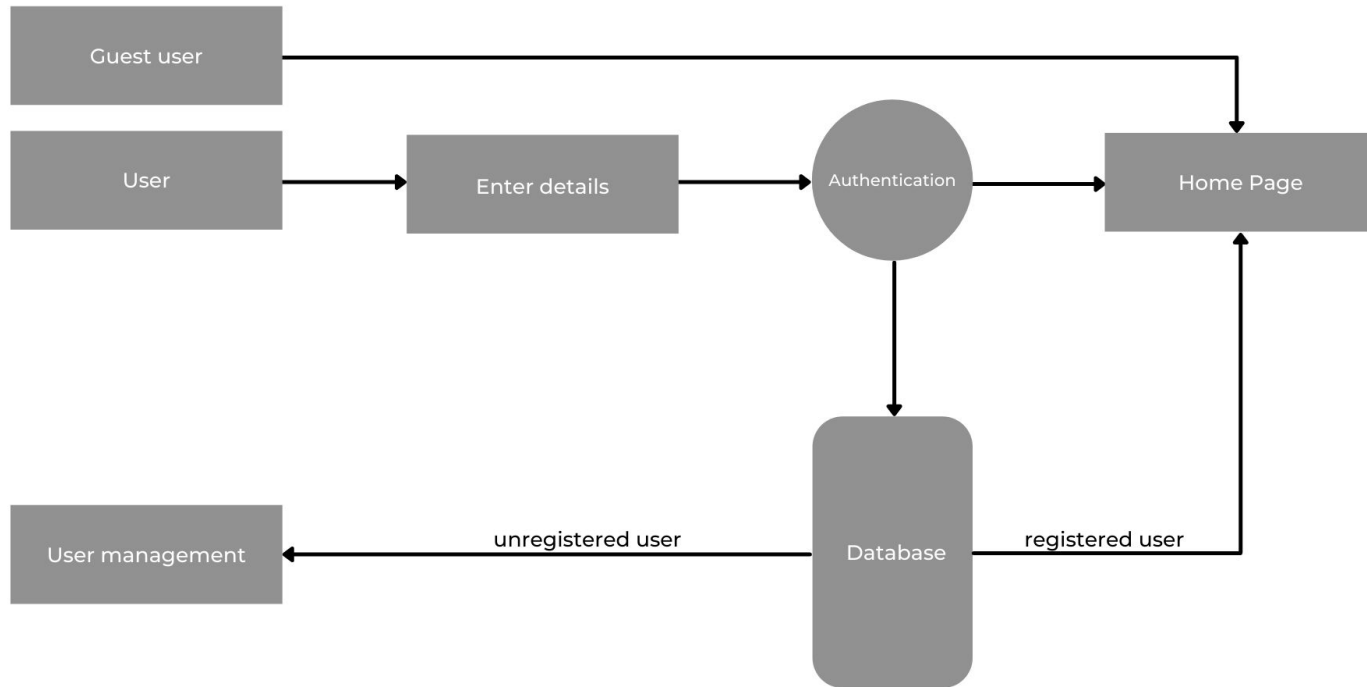
DFD

DFD LEVEL 0 :

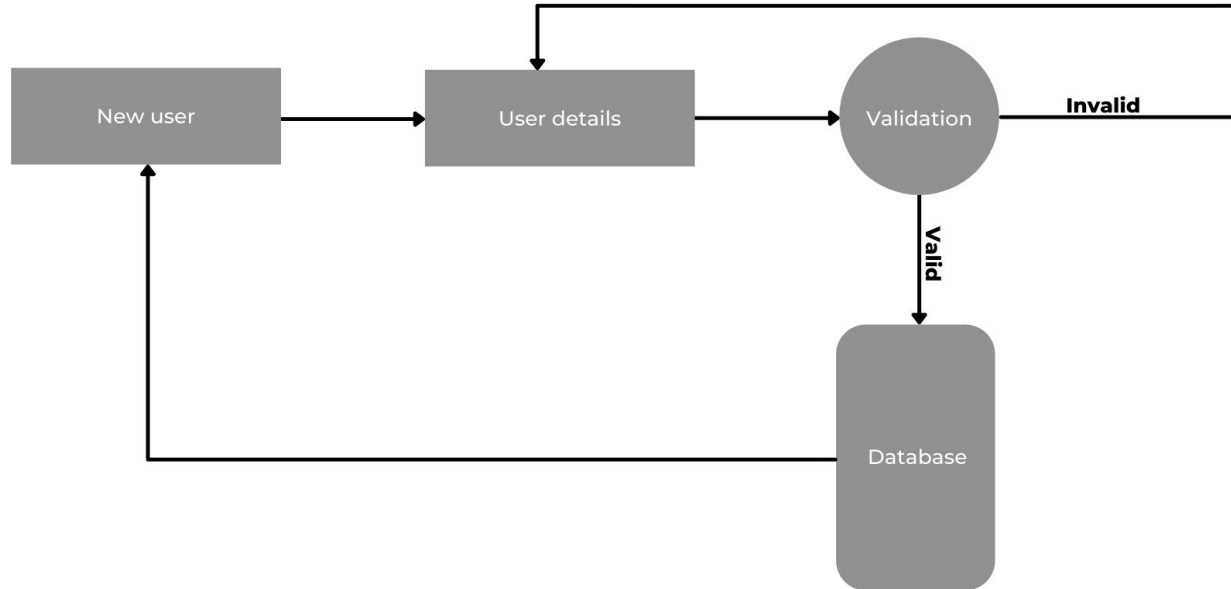


DFD LEVEL 1 :

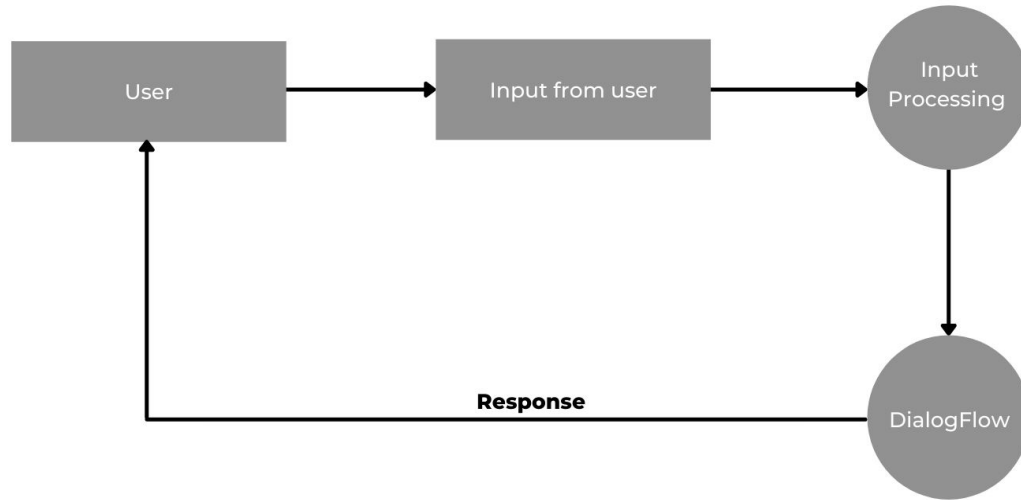
LOGIN MANAGEMENT



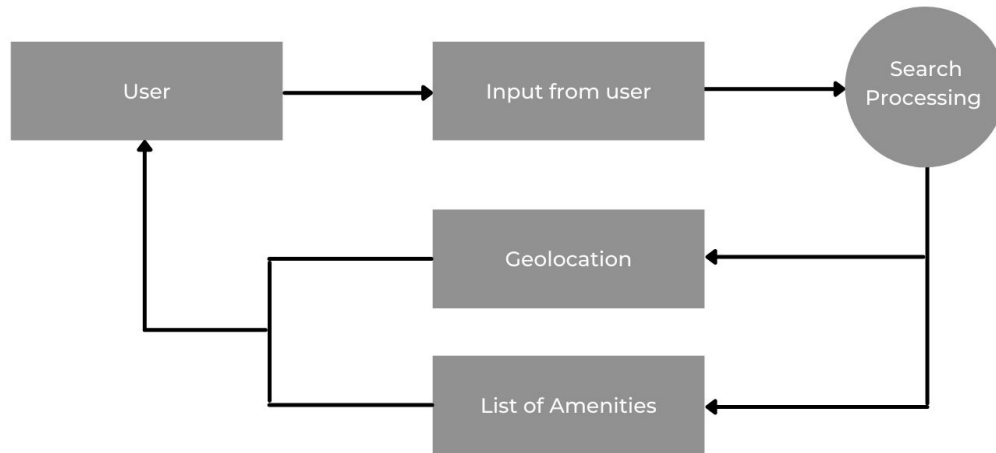
USER MANAGEMENT



CHATBOT MANAGEMENT

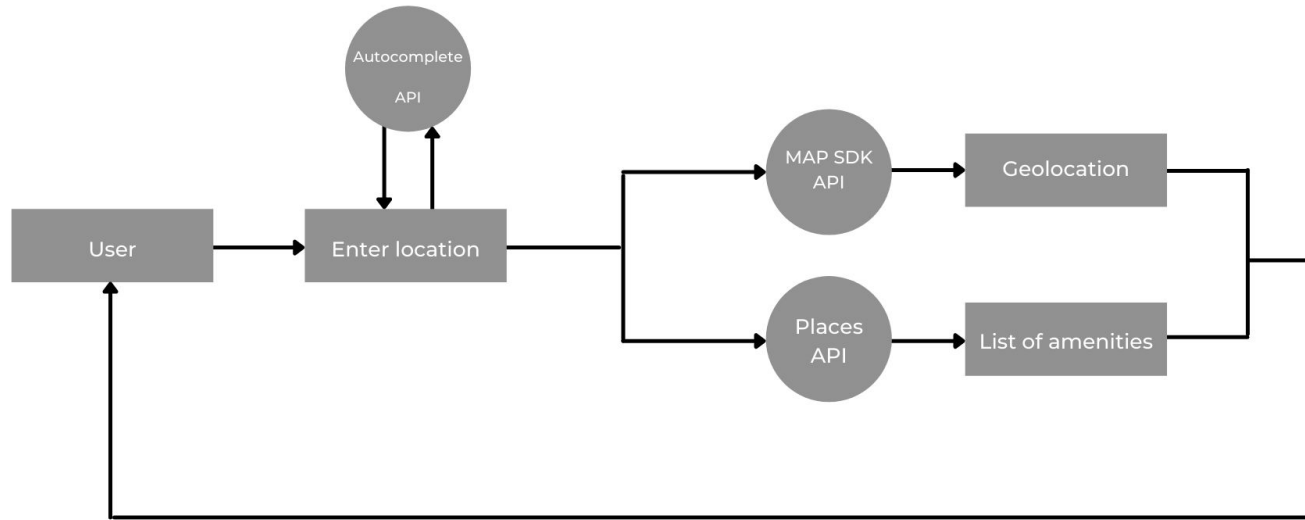


SEARCH MANAGEMENT

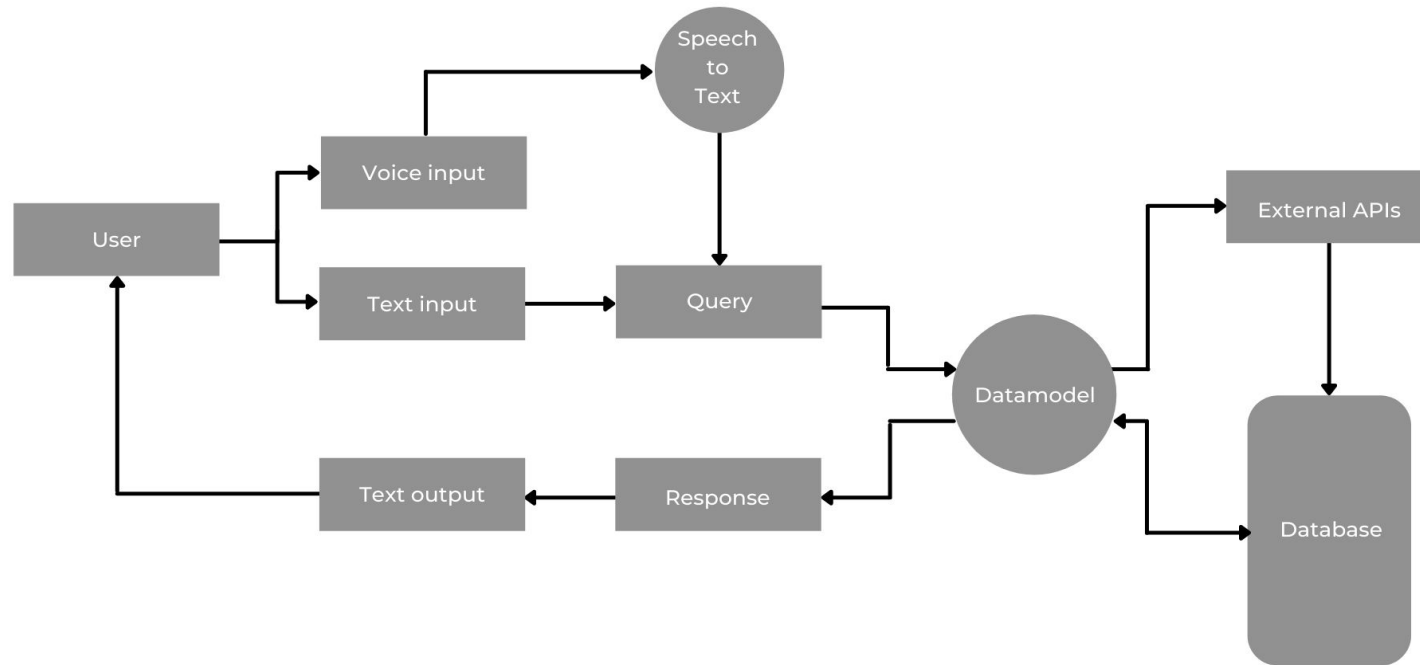


DFD LEVEL 2 :

SEARCH MANAGEMENT



CHATBOT MANAGEMENT



ALGORITHM

Step 1: Start

Step 2: Load the user login Screen

Step 3: If the user already have account then

Load the login screen prompting user to enter email and password

If email and password are verified then Load the home
screen

Else

Show an error message “could not sign in with those
credentials”

Step 4: While user is logged in Input option chosen as ch
Switch(ch)

Case 1:

Search Option (selects the search option from home screen) Directed to place search screen where map is displayed By default user's current location is displayed, When user prompts to search a location, autocomplete suggestions are given as a list below the text field,

When user selects a location , it is shown in the map

While the selected location is displayed in map Input option is chosen as am

Switch(am)

Case 1.1: Hotels Option(selects the hotel option from the amenities menu

CHATBOT ALGORITHM

Step 1: Start

Step 2 : A user sends a text/voice message to App

Step 3 : If user sends voice it converted to text

Step 4 : The App transfers the message to Dialogflow

Step 5 : The Message is categorized and matched to a corresponding intent (intents are defined manually by developers of Dialogflow)

Step 6 : We define the following actions for each intent in the fulfillment (Webhook).

Step 7 : When a certain intent is found by Dialogflow, the webhook will use external APIs to find a response in external database

Step 8 : The external Database send back the required information to the webhook

Step 9 : Webhook sends formatted response to the intent

Step 10 : intent generates actionable data according to different channels

Step 11 : The actionable data go to output App

Step 12 : The user gets a text response.

Step 13 : End

CONCLUSION

The main role of this application is to provide all kinds of information and basic needs to the user. The application is successful in

- The interfaces implied in the application are user friendly and easy to understand.
- The application has been designed in a manner to help the user with the specified needs in a travel.
- The application is effective and efficient

The system gives good results in the testing phase and the functioning of the application is quite simple and in regular order.

Any person can use this application for their assistance in their travel and can use the application efficiently

The application also has an extensibility feature that enables its updating to provide an upgrade in the abilities of the application.

THANK YOU