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Aide

: Personal Assistant

Description

Aide is a chatting app, from which users can chat with a bot and get some basic useful information.

Aide Assistant
Chat with assistance and get things done in the conversation.

Aide Equation
Aide can help you solve some mathematical equations so wouldn't have to open up calculator ever.

Intended User

This is mostly for the users who love chatting and they will use it for stressbuster.

Features

Features of **Aide:**

- Greeting and general responses like
- Giving useful information like: Telling time, telling a joke
- Solve basic mathematical questions like 2+5=7

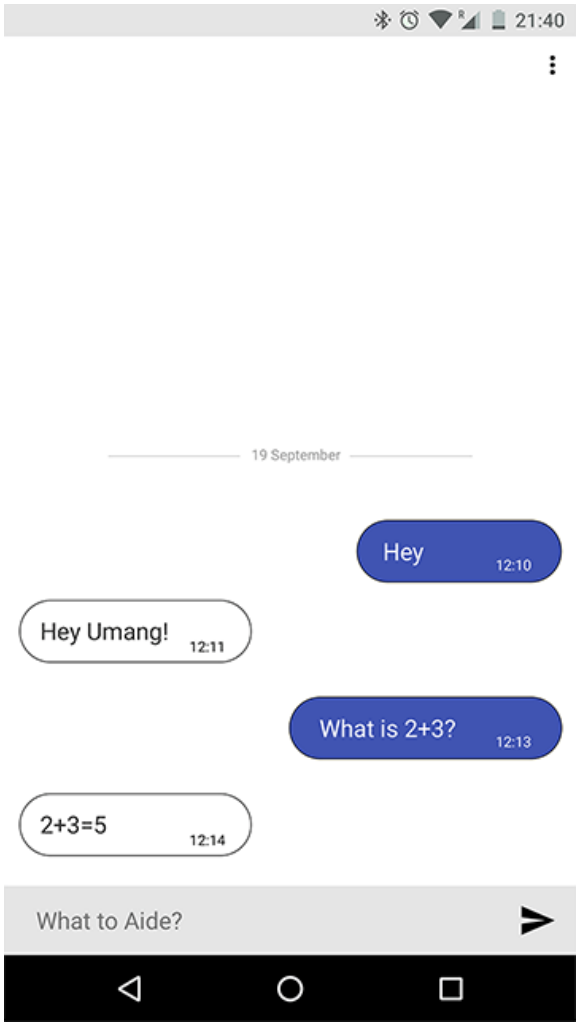
User Interface Mocks

Screen 1

Initial screen will be the login screen without which user can not get into the app.

This is required to get some basic information about the user which will giving the smart replies to the user.

Screen 2



After login user will be redirected to this screen. From this user will start the chatting and asking questions to **Aide**.

From this screen user will be able to chat with the assistant to get things done.

Widget:
App will also have one widget from which user will get answers to some predefined questions and it will improve as user will keep on using it.

Key Considerations

How will your app handle data persistence?

I am using Firebase to save data. I'm also building server from where I'll generating answers to the questions users asks.

Describe any corner cases in the UX.

Everything user asks in the chat will be shown in the same chat thread and user won't have to go to new screen to check the answer.

Describe any libraries you'll be using and share your reasoning for including them.

I'll be using **Firebase libraries** for:

- Authentication
- Sending messages and saving messages offline.
- Analytics & Crash report generation
- FCM
- App Invites & Hosting the static version of the app

Describe how you will implement Google Play Services.

I will be using Google Play Services to get user's information to give better answers to the questions they ask. Also on user's permission I will get location information and give them proper answers.

Required Tasks

Task 1: Deciding Scope of the Project

Firstly I need to have all the cases defined on how many cases this app will work. Because the possibilities are endless I need to restrict users to ask only few set of questions.

- As I already have decided features of the app, I'll decide most the possible questions users can ask.

I will find what all questions users ask & how they ask from Google Trends.

Task 2: Setting up Server

Setup my own server and create few set of APIs.

- Set up the server
- Listing down all the APIs and implementing them.

This is an external server which is responsible to generate smart replies.

Task 3: Setting up the Firebase

Setup the Firebase for Google+ login and sending the messages

- Set up Firebase
- Design Database Schema
- Write Security Rules
- Login screen - Authentication
- Make send message Activity from where user can send messages.

After this user will be able to send messages to the firebase.

Task 4: Integrate APIs

Add integration of the APIs that I have previously created. So that users will start getting the responses in the app.

- Connect Server with Firebase.

Task 5: Offline Mode

Users should be able to see all the previous messages offline.

- Save messages using Firebase
- Allow users to read older messages

After this user will be able to see all the chat history in the offline mode.

Task 6: Make app widget

Make one simple app widget from which user will be able to send questions.

- Make app widget
- Add predefined questions in the widget
- Open app and send question

After this user will be able to open app from the widget.

Task 7: FCM

Users should get messages when they are not using the app.

- Set up FCM
- Send messages using FCM

Task 8: Other Firebase features

Implement other Firebase features:

- Add Analytics, User invites.