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## Aide

### Description

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

### 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  $2+5=7$

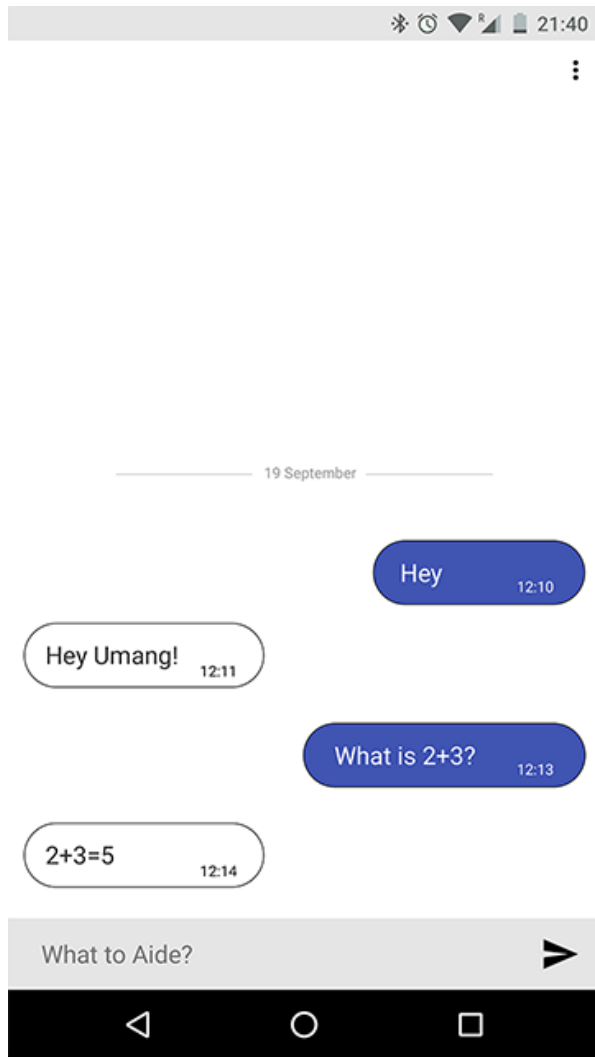
## User Interface Mocks

### Screen 1



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

## Screen 2



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

## 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 **Firestore libraries** for:

- Authentication
- Sending messages and saving messages offline.
- Analytics
- Crash report generation
- FCM
- 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 and how they ask from different blogs and 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.

### **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.

### **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

### **Task 6: FCM**

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

- Set up FCM
- Send messages using FCM

### **Task 7: Other Firebase features**

Implement other Firebase features:

- Add Analytics, User invites.