Assignment 3 CS230 Developing Mobile Apps

**Part 1: complete the following online tutorial, for creating an Android chat app using Firebase**

<https://codelabs.developers.google.com/codelabs/firebase-android/#0>

read more about firebase’s realtime database functionality here:

<https://firebase.google.com/docs/database/android/start>

**Part 2: create a group chat app using Firebase for back-end**

Specifications:

1. (20%) User Logs in using made-up username with some arbitrary profile information
2. (20%) User can write messages in MainActivity, messages are shared amongst all users through Firebase
3. (20%) User can select messages from other user to view their profiles
4. (20%) User can share photos to the global chat box
5. (20%) User can add other users to a friends list

Bonus:

1. (+10%) user can start private chat with another user
2. (+10%) camera icon user can click to capture and return photo to post in global chat