

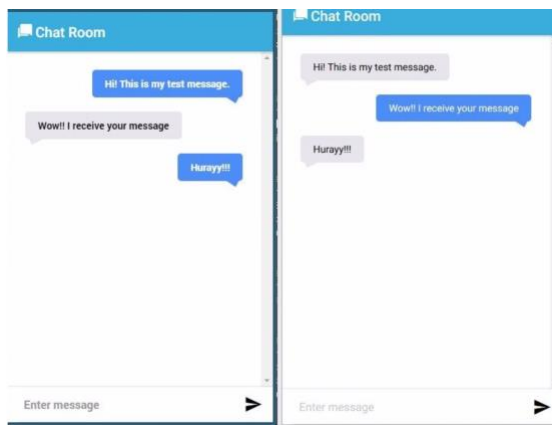
Homework 4

Deadline : Tuesday-25 November

Create a simple android chat application using firebase **cloud – firestore** [<https://firebase.google.com/docs/firestore/quickstart>].

You are free to create your own design of the application. But the application should meet the following requirements

1. You should have an authentication for your application. A login to your firestore application.
[1.5 points].
 - a. Make sure you create the user registration and login
2. You should have a **chatting box**, where logged In users can chat. We only need a single chat group. Anyone who has the application and is logged in, should be able to post and read what is posted into the group chat box. This is similar to **WhatsApp** Group without the complex UI and functionality. Also, you are only required to support plain text messages between the users. **[3.5 Points]**



Bonus [1]

1. Support the exchange of other media type like audio, video and images
2. Create a notification when a new message is posted and the application is in the background (same as whatsapp, Instagram).