

**Computer Networks Project:**

**Android App Instant Messenger**

**Group Members:**

1. Bilal Ahmed Khan (20k-0183)
2. Muaaz Alam (20k-0212)

**Project Proposal Description:**

The ChatMe Android instant messaging app will allow users to communicate with each other in real-time using text, images, and emojis. Users will be able to create a profile with a profile picture, username, and status message. The app will have a simple and user-friendly interface that will make it easy for users to send and receive messages.

**Plan of work:**

In the next five weeks, our team will split into two and work on the following tasks:

**Bilal Ahmed:**

1. User registration and login functionality

2. User profile creation and customization functionality.

**Muaaz Alam:**

1. Real-time messaging with text, images, and emojis functionality

2. Notification alerts for new messages functionality

3. Chat search functionality

**References:**

Flutter Developer Documentation: [Flutter - Build apps for any screen](https://flutter.dev/?gclid=Cj0KCQiAjbagBhD3ARIsANRrqEu7Z5HCMDOharvIc9mhXbMkaeMFq5XPUNCg5w6Qw5ADsg-fdSkPIpMaAnGMEALw_wcB&gclsrc=aw.ds)

Firebase Documentation: <https://firebase.google.com/docs>

Material Design Guidelines: [Material Design](https://m3.material.io/)