**References**

**Backend**

Flask db Migrations

<https://stackoverflow.com/questions/60981061/flask-db-init-leads-to-keyerror-migrate>

OpenAPI 3.1 Documentation

<https://swagger.io/specification/>

Tensorflow Documentation

<https://www.tensorflow.org/api_docs>

PyTorch Documentation

<https://pytorch.org/docs/stable/index.html>

EECE 490 Chapter 4 Neural Networks by Professor Mohanna

EECE 430L Backend Labs by Professor Bakri

BluePrint stack overflow Problem Resolved:

<https://stackoverflow.com/questions/56518690/why-blueprint-in-python-flask-is-not-working-although-is-seems-so-easy>

Tailscale Documentation

<https://tailscale.com/kb>

**Android**

1. Used [TextWatcher  |  Android Developers](https://developer.android.com/reference/android/text/TextWatcher) to implement search person and search group in ChatsFragment.kt (lines 47-57) and GroupFragment.kt(lines 60-69)
2. Used the help of Chat gpt to get to know how to scroll to bottom of a recyclerview when I open a convo with a another user.Convo.kt (Lines 87-92).
3. To parse dates in order to make them more coherent for incoming messages I used this parsing technique: [Java Examples & Tutorials of DateFormat.parse (java.text) | Tabnine](https://www.tabnine.com/code/java/methods/java.text.DateFormat/parse) in GroupMessagerAdapter.kt(lines 22-30)
4. Used the help of chatgpt to discover how to show messages on the left or right according to values in companion object. MessageADapter.kt(lines16-19).
5. Used [PhilJay/MPAndroidChart: A powerful 🚀 Android chart view / graph view library, supporting line- bar- pie- radar- bubble- and candlestick charts as well as scaling, panning and animations. (github.com)](https://github.com/PhilJay/MPAndroidChart) To implement the charts in addition to using extra chart features(zoom).
6. ListView Usage is based on what we did in the android 1-2 labs
7. Recycler view implememtation is inspired by my previous Android Wallet app project : [EricNjeim/Wallet-App (github.com)](https://github.com/EricNjeim/Wallet-App)
8. Bottomnavigation was inspired by <https://www.youtube.com/watch?v=w58jdjvSAfU&t=960s&pp=ygUZYm90dG9tIG5hdiByZWxhdGFibGUgY29kZQ%3D%3D> . I had to get familiar with using nav\_graph and nav\_controlller.

**Desktop**

<https://github.com/DomHeal/JavaFX-Chat/blob/master/client/src/main/resources/views/ChatView.fxml> (Basis of chat.fxml)

<https://www.tabnine.com/code/java/methods/javafx.scene.layout.VBox/getChildren>

ChatGPT-4 (Trading: Button column and rates column generation, Alerts: response parsing, Register: password validity check)

**FrontEnd**

1. Used the Help of Chatgpt to help with sorting algorithms :

.GroupChats.js :lines (91-103)

. UserChats.js: lines (100-114)