Gitrepo: https://github.com/aavery0506/Lab6_chat_app.git

Still having Git problems….Here is the link for the repository, Ryan has been added as a collaborator.

Objective 1 : Create a chat room type application using <u>Firebase Realtime Database</u> . You should have the ability to post messages and clear content.

Objective 2 : This app should run on multiple devices at the same time and facilitate communication in a room/user type fashion.

~~Objective 3 : Add a functionality that you had to explore on your own~~

~~Objective 4 : Add a functionality that you had to explore on your own~~

**Met with Dr.G. and since I was doing this solo he took these two objectives off

Objective 5 : Your app should be somewhat aesthetically pleasing.

Submission:

Reflections:

This lab was overall not too difficult once I understood really how the database was connecting to the app. I have it set up to allow a user to sign-up and login. Currently it only opens one chat window like a group chat environment. I did have to research how to get the user authentication working so that would be an additional functionality than the first two objectives. My app does work on multiple devices, I would have liked to incorporate a RecyclerView to display the messages but due to time constraints I utilized a MulitLineText instead.

Testing:

Currently the app will clear all chats regardless of what user hits clear. If I had more time I would implement more functionality around this and the ability to choose a user to have a single chat with. I believe that in order to make this more functional I would need to add some more conditions surrounding what the clear button actually clears. My thinking would be to utilize the user name as that gets tied to the actual message.

	Possible	Given
Layout		
Objective 1	20	0
Objective 2	20	0
Objective 3	20	0
Objective 4	20	0
Objective 5	20	0
Misc		
Code Quality	10	0
Not included in total possible:		
Does not compile	-100	0
Extensions (Not calculated without report)	10	0
Creative or went above and beyond	10	0
Code contains warnings	-20	0
Student worked around requirements or ignored instructions	-100	0
TOTAL POINTS POSSIBLE out of 100	100	0