Firebase Service

The google service I used was Google Firebase in order to build the app. I used Firebase Firestore, Cloud Storage and Authentication. These services were needed in order to get the application to validate user sign in and save user data. Firestore was used to save user data, Cloud Storage was used in order to save the user images uploaded and the Authentication was used to validate user sign in.

Firebase Firestore is a service provided by Google Firebase. It is used to act as a way to store data in a very similar way as JSON and is considered a non SQL. I used Firestore in my app by first creating an account with google. Then I linked my google account's Firestore to the app through Android studio and added the necessary dependencies. The dependencies added contains all the libraries needed in order to call Firestore's API and manipulate the required database. I used these libraries to store usernames, user ID's, and user photos URLs.

Cloud Storage is another service provided by Google Firebase. It is used as a way to store files such as images in a simple way. I used Cloud Storage by creating a google account first and then linking my Google Firebase account to the my app through Android Studio. Then added all the necessary dependencies and libraries in order to effectively use the Cloud Storage. Through those libraries I uploaded user images into Firebase Cloud Storage.

Authentication is another service provided by Google Firebase. It is used as a way to create users, login, and logout users through multiple ways. The way I chose for the app was with email and password. I used Authentication by linking my Google

Firebase account to my app through Android Studio. Then added all the necessary dependencies and libraries in order to login, logout, and create new users.

Through these services I managed to create an app where users can upload pictures to their user account. If they do not already have a user account they can create one through the app using the Authentication. These services are a powerful way to develop an app which requires logging in and saving user files and allows you to deploy such an app with more simplicity.