Week one
(user account)
For the front end part of the application, once the application is launched the user is shown a screen that displays text boxes which allow them to input information including their email, password, and username in order to create an account. A button is also shown to finalize the process of creating an account once it is clicked. After this display has been made, back end coding will ensure that all text boxes have been filled in order to move on to the next display page. If this action is not made, an error message will display. However, if all fields have been filled, and the user clicks the button “sign up” the user will then be directed to the home screen.

Week two
(user account continued)
This process is similar to the front end and back end of the user sign up page. If the user already exists and is signed in and decides to log out, a button is displayed at the top of the page which will exterminate the screen and switch back to the sign up page. If the user already exists they do not have to sign up again but they will need to sign back in. In order for the user to do that, a button is shown on the bottom of the sign up page that is first displayed when the application runs and will switch over to a login page where the user will input their email and password once clicked. Again, once all text boxes are filled and user clicks “sign in” they will be transferred over to the home screen.

Week three
(firebase)
In order to store data from the application into a firebase storage, an account with google firebase was made and the application had to be registered. From here, more tools have to be added onto the computers terminal in order to access the the resources provided from google firebase. Once all resources have successfully downloaded, more back end coding can be made for more user efficiency and protection.

Week four
(firebase)
back end coding is made so user data can now be saved onto a protected firebase. On this firebase, only the creator of the project and any authorized users have access to user information including their email, username, and user id which is also the hashing of the users password. This also ensures if the user already has an account or if the account needs to be made. Once the account is made, the data is automatically stored onto the firebase.

Week five
(firebase continued)

Week six
(firebase continue/editing sign up page)
a small changed was made to the sign up page to display a place holder for a profile picture. This part of the process is optional and does not need to be completed in order

to create an account. However if the user chooses to upload a profile picture, once the placeholder is clicked, the users photo library is accessed and a photo can be chosen. Then, once the sign up button is clicked the users photo url is also stored onto the firebase.

Week seven

Once logged in and the home screen is displayed, users will also be presented with tabs at the bottom of the page which enables them to navigate through the entire application switching back and forth through tabs such as: Home tab, Search tab, Upload tab Notification tab and Profile tab. The first one worked on was the upload tab. On this screen displays a camera icon and one text box. The camera icon is the same as the placeholder image from the sign up page. So, once this is clicked the user can access their photo library and display it where the camera icon once was. The text box is a place where users can write captions to what they would like to say alongside the photo they will upload. The caption portion is optional so the users are able to upload images only. These images and/ or captions are also stored and can be seen on the firebase storage.

Week eight

(more firebase)

A button is displayed at the bottom of the upload tab seen as “upload” which finalizes the uploading process and stores data onto the firebase. This button changes colors once all required fields are made which is having a picture chosen to upload. Once this has been clicked, the picture and/or caption will display on the home tab, profile tab, and data is stored onto the firebase.

Week nine

Home Screen display, Search tab display and Profile tab display. back end coding will allow Data stored from the upload tab to transfer and display onto the home screen and user profile or the profile tab.

Week ten

(firebase)

The home screen displays the images uploaded and/ or captions from from different users and allows other users to like and comment on other users images. Once the like button has been clicked the color of the button will change to show that the user has liked it and a notification will be sent to the uploaders notification tab. This tab will also notify the uploaded of any comments that were made from different users.