A picture containing object

Description generated with high confidence

We are a team of two, consisting of Leyton Blackler and Celine Young. Our mobile application is an Instagram-like social media platform for sharing photos with friends. We have decided to call this platform Photon.

The general idea behind the Photon application is that a user will be about to share images with friends and, vice versa, be able to view photos shared by them. More specifically, the main functionality the Photon platform offers is the ability to:

* Create a personal user account including a name, profile picture and short biography.
* Upload photos to your own profile with a description and location.
* Click on the location of an image and have it displayed on a map.
* Search for other users and view their photos.
* Follow other users.
* Like other users’ photos.
* Comment on other users’ photos.
* View a home page feed displaying photos from followed users.
* Customise their account settings, such as changing their profile picture or password.
* Log in and log out of their account.
* Delete their account.

In order to develop a functioning application, external services for server side storage and a Map API must be used. Currently, we are considering using Firebase and the Google Maps API, which are both platforms developed by Google.   
  
This is a rather complex application, consisting of many features, which will consequently take a substantial amount of time to all implement. In addition to this, although we are partially familiar with frameworks such as Angular, our understanding is still limited. Some upskilling will be required throughout the development process as we are completely new to the Ionic and React Native frameworks, and have little server side knowledge. We will also need to learn how to use Firebase and the Google Maps API so that these external components are able to be implemented into the platform. Therefore, we expect this to take at least the full 21 hours each (including recording of the demo). This equates to a total of 42 hours of work, collectively, for full completion of the features and functionality defined above.