

Due: April 16 at 23:59

Points: 100

Objectives

Networking
Photos

InstaPost

InstaPost allows Android users to make and view posts. A post contains a photo, some optional text and a hashtag. A user can create an account by providing an email address, their name and a nick name. Besides making posts a user can see a list of users and a list of hashtags. From either list the user can select another user (or hashtag) and see all the posts from that user (or all the posts with that hashtag).

Clearly the app requires a back end. Use Firebase/Cloud Firestore for user information, text and hashtags and FirebaseCloud storage for the photos.

What to turn in

Create a zip file of your entire android project. Please no rar files. Turn in your assignment at: <http://bismarck.sdsu.edu/CoursePortal>. There is a link to that site in the assignment section of the course Blackboard site. You will need to create a password for the assignment site the first time you use it. Once you have logged on to the site select the assignments tab.

Reducing the size of the upload

The most effective way to reduce the size of the upload is to export the project to Zip using the File>Export to Zip File menu item in Android studio (see below). This produces a much smaller file. If you are concerned that this will not run you can unzip the file in a different directory and load it into Android Studio.

Grading

Points	Item
15	Create new user account
15	List of users
15	List of hashtags
15	Get all posts for a user from list of users
15	Get all posts containing a given hashtag from list of hashtags
15	Upload a photo
10	Download a photo
100	Total

When you create your project set the minimum required SDK to API 23 and target the Pixel phone.