

The objective of second assignment is to get you accustomed to some of the most used concepts in Android programming like activities, services, content providers and broadcast receivers. The description of the assignment is as follows :

1. Use the Twitter API to pull tweets from Twitter and display them in a Table View. The user's Twitter photo, handle and location should be displayed alongside the tweet. Build a simple search box that filters tweets based on user location. For example if you enter 'New York' in the search box, it should display users from New York.

Hint : You can implement a light weight persistent data store like sqlite. I have attached sample code on how to interact with the data store.

Alternatively, you could create a text box, enter a location in your app and directly fetch tweets from that location and display it. The next time I type the same location in the text box, it should not call the API but should rather fetch it from the data store on the device.

2. Provide appropriate buttons : Back, Next (if required).

3. Name the App 'SearchTwitter'.

Grading Criteria :

1. Look and Feel (1 point)

2. Implemented features (5 points) (each part is worth 2.5)

3. Code Quality (2 points)

4. Understanding of the Android Platform (2 points)

For full credits, implement complete functionality with Search feature. Partial credits will be given, however , if you are able to atleast pull the Twitter feed. Google has a very verbose documentation on Android development so please take some time to read it. You will need to set up development environment for Android. At minimum, get Eclipse, Android SDK, Android SDK Manager and latest API level on your development machine. You can either use the emulator (slow) or a device to deploy the app and demo them.

Please start early. If you are new to Android programming and anticipate trouble with Java or Android Development environment, read up and seek assistance. Please be informed that because Android app deployment is fairly straight-forward and can be done on your personal computers, NO extensions will be given for this assignment, whatsoever.

Submission Instructions :

Compress(zip) the project file and upload it on courseworks. Please name it as follows :

SearchTwitter_<UNI>.zip

eg : SearchTwitter_aa3306.zip

Resources:

<http://developer.android.com/training/index.html>

<https://dev.twitter.com/docs/api/1.1/get/search/tweets>