CS 399: Mobile Application Development Summer 2020

Homework-04

Due Friday June 12 30 Points Total

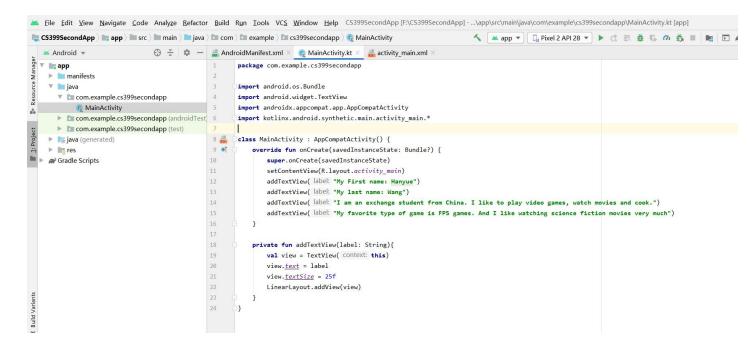
Hanyue Wang CS-399(1204-2860) SPECIAL TOPICS 002 - MOBILE APPLICATION DEVELOPMENT

Deliverables:

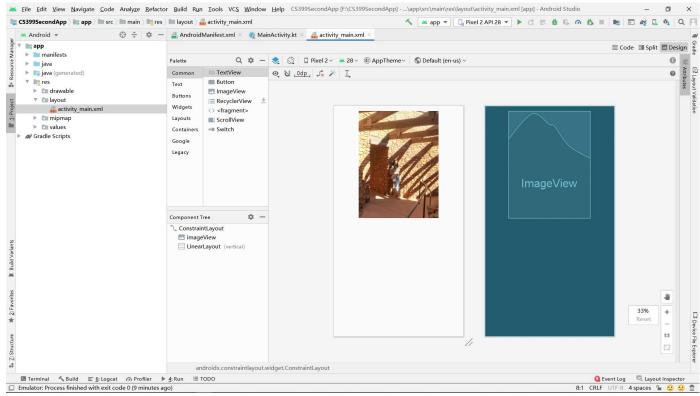
[20 Points] Application Code and Result:

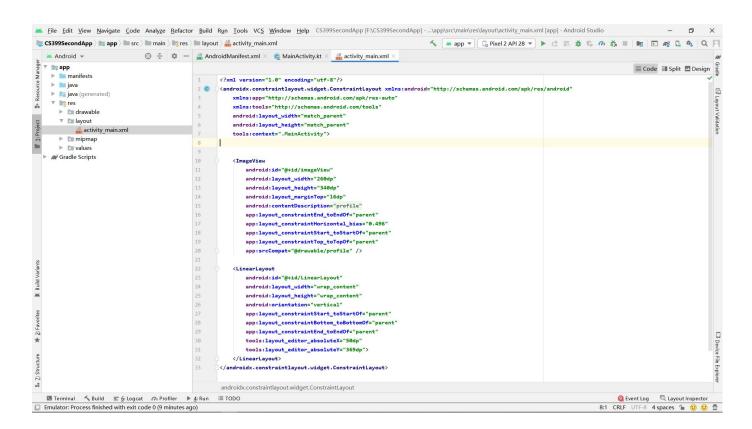
Include snapshots of the following artifacts shown in the Android Studio. Paste the snapshots in a copy of this document.

- 1. Components of your program including:
 - a. The Kotlin file under the *main* > *java* directory. Expand all the text to show the complete text of the Kotlin code including the *import* instructions.

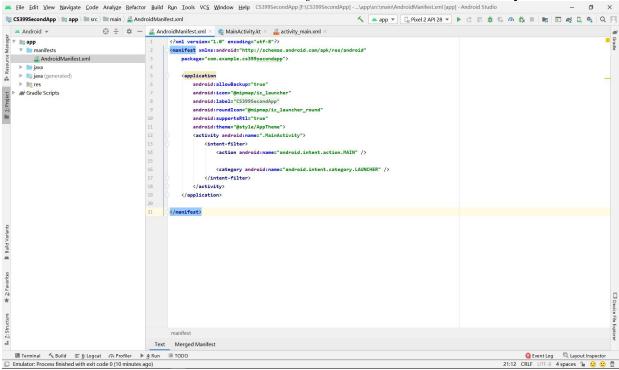


b. The layout xml file under *main* > *res* directory in both *design* and *text* editor views.





c. The *AndroidManifest.xml* file under *main* directory.

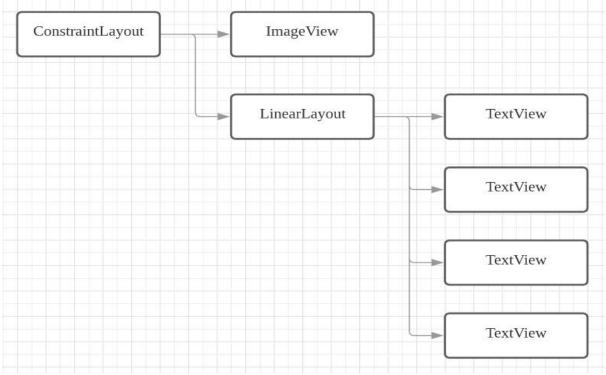


2. View of your application when it is run on the Pixel 2 virtual device.



[5 Points] Object Hierarchy:

Draw a hierarchical instance diagram of the *ConstraintLayout* object created in your Profile application. Include all the *View* and *ViewGroup* objects.



[5 Points] Class Hierarchy:

Draw a hierarchical class diagram showing the *inheritance* (class/subclass) relationships among all the *View* and *ViewGroup* classes. Start the root of your class hierarchy at java.lang.Object class. Don't include *implements* relationships with any *interface* in you model. Use the qualified name of the classes in your class diagram.

