Shiza Qureshi

Budget Application

1. 50 points: Demonstration
   1. Link to video: https://psu.zoom.us/rec/share/bgc4PoKV3ilELWqwE0fnlXbgpnMD5ZiHpyAQrjQj-ELhguaLd0HyyIJ8zQOuqFpQ.etr0X\_o\_Re\_pKS\_V

2) 20 points: Does the app use least n + 2 activities or fragments, including a Settings activity, where n is the number of group members.

  a)  For my budget application, I included have the Main Activity, a Settings activity, a AddTransactionActivity, and I also included an Overview Activity. The purpose of the overview activity was to show the user their overall summary of all transactions made over a certain period.

3) 10 points: Does the application include code that runs on a thread other than the UI thread at least once, and at appropriate times

 b) In my app, I added an AsyncTask class to perform the database operations on a background thread. I added this to the TransactionViewModel class of my application.

4) 20 points: Does the application use a Room Database to persist data? Is data from the database displayed in a RecyclerView?

- Yes, the application uses a Room database to persist data and the data is displayed in a RecyclerView.

5) 10 points: Does the application use a toast or snackbar?  Does the application include a confirmation?

 c) Yes, these are included in the AddTransactionActivity of the application.

6) 20 points: Does the application correctly manage the Activity lifecycle, saving instance state as appropriate

 d) onSaveInstanceState is used in the AddTransactionActivity classes to ensure date is not lost when device configuration changes.

7) 30 points: For team projects: Does the application include significant use of “advanced” features, including network connectivity; remote database; Bluetooth; a third party API, e.g. the Facebook API; localization services; multimedia, etc.  Note that if you are working on an individual project, you do not need to do this. If you are working in a group of 2 or more people, you must either use network connectivity or a remote database. If you are working in a group with 3 people, you will need an additional advanced feature.

Note: If you are working individually, these 30 points are rolled into number 8.

e) What advanced features are included in your app?

8) 40 points: Objectives met/Team work: Does the application meet the goals outlined in the project proposal.  For team projects: Did you perform an equitable amount of the work on the project, based on a self-assessment, peer assessment, and github commits?

 f) I worked on the project alone and I would say that, for the most part, the project turned out according to how I initially imagined.