Android Fundamentals Project Self-Evaluation

Instructions: Once you've completed your Final Project, please evaluate it against the components of the rubric below. For each criteria that you met, put an "X" in either the "Does Not Meet Specifications" or the "Meets Specifications" box. For some criteria, we ask you to provide an explanation of where and how it was implemented in your app. This is a chance for you to briefly explain to the grader your thought-process during development. Once you are done, include this with the source code and accompanying files you are submitting. Then, give yourself a pat on the back for making a great app!

Required Components

To "meet specifications", your app must fulfill all of the criteria listed in this section of the rubric.

Criteria	Does Not Meet Specifications	Meets Specifications
Standard Design		
App does not redefine the expected function of a system icon (such as the Back button).		X Yes (Definitely wouldn't want to redo what Google has already done for me)
App does not replace a system icon with a completely different icon if it triggers the standard UI behavior.		X Yes (Definitely wouldn't want to redo what Google has already done for me)
App does not redefine or misuse Android UI patterns, such that icons or behaviors could be misleading or confusing to users.		X Yes (I hope the app is intuitive; definitely doesn't redefine what is already in Android)
Navigation		
App supports standard system Back button navigation and does not make use of any custom, on-screen "Back button" prompts.		X Yes (Simple Master/Detail layout that uses the standard Back button between the two Activities)

All dialogs are dismissible using the Back button.		X Yes (Just one “dialog”, the DetailActivity; and the standard back button and the icon in the top left both take you back as a typical Android user would expect)
Pressing the Home button at any point navigates to the Home screen of the device.		X Yes (no reason to interrupt the Home button)
Permissions		
App requests only the absolute minimum permissions that it needs to support core functionality.		X Yes
App does not request permissions to access sensitive data or services that can cost the user money, unless related to a core capability of the app.		X Yes (No money changing hands in this app)
Please elaborate on why you chose these permissions:		X android.permission.INTERNET android.permission.READ_SYNC_SETTINGS android.permission.WRITE_SYNC_SETTINGS android.permission.AUTHENTICATE_ACCOUNTS Need Internet to get the quandl.com JSON data. Need the SYNC and AUTHENTICATE ACCOUNTS to use the SyncAdapter to offload the scheduling of syncing the Internet data.
Performance and Stability		

App does not crash, force close, freeze, or otherwise function abnormally on any targeted device.		X I targeted a Nexus 5 and Nexus 7 (and I tested on a Moto G and a Nexus 7). The app behaves as designed with no issues. I am concerned about data issues. It is using data from quandl.com and I had to massage the data more than I originally was anticipating (because they do not provide Gold prices for every day). And, I am a little concerned using them as a data source when it comes to reliability. But, the app works as designed and does not crash, force close, freeze, and behaves normally.
ContentProvider		
App retrieves and caches data from a server using a ContentProvider.		X Yes.
If it regularly pulls or sends data to/from a web service or API, app updates data in its cache at regular intervals using a SyncAdapter.		X Yes.
Please elaborate on how/where you implemented a ContentProvider and SyncAdapter:		X Content Provider was setup for the SQL data as the course demonstrated. The SQL table is bitcoingold I am using a SyncAdapter to get the JSON data from quandl.com and load the ContentProvider with ContentValues.
User/App State		
App correctly preserves and restores user or app state.		X Yes

When the app is resumed after the device wakes from sleep (locked) state, the app returns the user to the exact state in which it was last used.		X Yes
When the app is relaunched from Home or All Apps, the app restores the app state as closely as possible to the previous state.		X Yes
Please elaborate on how/where your app correctly preserves and restores user or app state:		X The Fragments use setArguments and getArguments to maintain the Activity Bundle so that the Activity you are on is restored when you press the app icon from the Home or All Apps (launch the app); or the Activity is woken up in the same state it was in previously. FragmentState.java has a Bundle called mArguments that holds the Bundle of data used by Android to restore the state of a Fragment.

Optional Components

To receive “exceeds specifications”, your app must fully implement all of the criteria listed under at least two of the four categories below (e.g. Notifications, ShareActionProvider, Broadcast Events, and Custom Views).

Criteria	Does Not Exceed Specifications	Exceeds Specifications
Notifications		

Notifications do not contain advertising or content unrelated to the core function of the app.		X Yes. (I'm not selling anything, just want people to see a relationship between Bitcoin and Gold)
Notifications are persistent only if related to ongoing events (such as music playback or a phone call).		X Yes. (No persistent notifications)
Multiple notifications are stacked into a single notification object, where possible.		X Yes. (But, I'm not using multiple notifications; just daily notification currently)
App uses notifications only to indicate a context change relating to the user personally (such as an incoming message).		X Yes. Notification occurs when SyncAdapter runs and it has been at least 24 hours since the last notification
App uses notifications only to expose information/controls relating to an ongoing event (such as music playback or a phone call).		X Yes. Information is newly acquired Bitcoin and Gold price.
Please elaborate on how/where you implemented Notifications in your app:		X I did it just like we learned in Sunshine, provide one notification a day —format it with the latest record retrieved using a Cursor/ContentProvider and send it to the user right after the SyncAdapter does its business.
ShareActionProvider		
Uses ShareActionProvider to share content with an outside application.		X Yes
Makes use of Intent Extras to send rich content.		X Yes

Please elaborate on how/where you implemented ShareActionProvider:		X I added the ShareActionProvider to the MainActivity BitcoinGoldFragment to share the current day (or the most recent day) Bitcoin to Gold Ratio and Prices; with a hashtag (#BitcoinGoldApp)
## Broadcast Events		
App intercepts broadcast events.	X No. Did not Implement	
App responds to Broadcast events in a meaningful way.	X No. Did not Implement	
Please elaborate on how/where you implemented Broadcast Events:		
## Custom Views		
App creates and uses a custom View.	X No. Did not Implement	
App uses a novel View that couldn't sufficiently be satisfied by the core Views in Android.	X No. Did not Implement	
Please elaborate on how/where you implemented Custom Views:		