## Android Fundamentals Project Self-Evaluation

**Instructions:** Once you’ve completed your Final Project, please respond to the questions below. 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!

# Questions about Required Components

## Permissions

**Please elaborate on why you chose the permissions in your app.**

|  |
| --- |
| INTERNET – need that to be able to send requests to different exchange rate API. [ACCESS\_NETWORK\_STATE](http://developer.android.com/reference/android/Manifest.permission.html#ACCESS_NETWORK_STATE) – check network state and remind user if he has not connected.  READ\_SYNC\_SETTINGS, WRITE\_SYNC\_SETTINGS, AUTHENTICATE\_ACCOUNTS – need for sync adapert. |

## Content Provider

**What is the name of your Content Provider, and how is it backed? (For example, Sunshine’s Content Provider is named WeatherProvider backed by an SQLite database, with two tables: weather and location.)**

|  |
| --- |
| Content Provider is named ***RateProvider*** backed by an SQLite database, with two tables: ***rate*** and ***double\_rate***. |

**What backend does it talk to? (For example, Sunshine talks to the OpenWeatherMap API.)**

|  |
| --- |
| ZenUA talks to the 5 API:   1. privatbank.ua 2. minfin.com.ua 3. jsonrates.com 4. openexchangerates.org 5. finance.ua |

**If your app uses a SyncAdapter, what is it called? What mechanism is used to actually talk over the network? (For example, Sunshine uses HttpURLConnection to talk to the network, but your app may use a third-party library to do the talking.)**

|  |
| --- |
| SyncAdapter is named ***ZenUaSyncAdapter***.  ZenUa app uses HttpURLConnection to talk to the network. |

**What loaders/adapters are used?**

|  |
| --- |
| CursorLoaders are used, without adapters. |

## User/App State

**Please elaborate on how/where your app correctly preserves and restores user or app state. (See rubric for examples on this question)**

|  |
| --- |
| State restores in ExchangeRateFragment#onStart() via SharedPreferences. SharedPreferences has been received by default or after user change settings |

# Questions about Optional Components

Answer the questions that are applicable to your final project

## Notifications

**Please elaborate on how/where you implemented Notifications in your app:**

|  |
| --- |
| Notifications are implemented in ZenUaSyncAdapter.  User will be notified if notifications was switched on in settings, and time from last notification more than one day. |

## ShareActionProvider

**Please elaborate on how/where you implemented ShareActionProvider:**

|  |
| --- |
| **ShareActionProvider** is **implemented** in ExchangeRateFragment.  It is created in onCreateOptionsMenu() and set in onLoadFinished() or in onCreateOptionsMenu() if “share string” is already prepared. |

## Broadcast Events

**Please elaborate on how/where you implemented Broadcast Events:**

|  |
| --- |
|  |

## Custom Views

**Please elaborate on how/where you implemented Custom Views:**

|  |
| --- |
|  |