## 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.**

|  |
| --- |
| com.google.android.gms.permission.ACTIVITY\_RECOGNITION //use google Activity Recognition API to read user activity. android.permission.RECEIVE\_BOOT\_COMPLETED //to know if device is on boot or rebooting then start my app services if enabled by user on app settings. android.permission.ACCESS\_FINE\_LOCATION //for GPS or SpeedService android.permission.PACKAGE\_USAGE\_STATS //to know what app is launching for API 21(Lollipop). android.permission.SYSTEM\_ALERT\_WINDOW //To display the app lock if app detected that the user is driving. android.permission.READ\_PHONE\_STATE //to check for call states and send an auto reply message if there is a missed calls, if enabled by user on app settings. android:name="android.permission.READ\_CONTACTS //get contact name of incoming calls and send an auto reply message if there is a missed calls, if enabled by user on app settings. android.permission.RECEIVE\_SMS //get phone number of text messages received, and send an auto reply message, if enabled by user on app settings. android.permission.BLUETOOTH //get bluetooth state if it is connected to bluetooth headset android.permission.GET\_TASKS //to know what app is launching for KITKAT and below API  android.permission.SEND\_SMS //send an automated sms as part of app core features |

## 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.)**

|  |
| --- |
| None, I believe so. |

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

|  |
| --- |
| None, I believe so. |

**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.)**

|  |
| --- |
| None, I believe so. |

**What loaders/adapters are used?**

|  |
| --- |
| None, I believe so. |

## 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)**

|  |
| --- |
| Using android:configChanges="keyboardHidden|orientation|screenSize", as I was push to using this as a last resort |

# 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:**

|  |
| --- |
| I use notifications to notify ongoing service running on the background to let the user know and I also show notifications as a result if auto reply message is sent or failed. |

## ShareActionProvider

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

|  |
| --- |
| None as my app doesn’t require to do so. |

## Broadcast Events

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

|  |
| --- |
| When receiving text messages, to know if the device is booting or rebooting, and sending datas within app. |

## Custom Views

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

|  |
| --- |
| Using libraries that required me to use custom views e.g Material Preference, and etc. |