## 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.**

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| I have chosen INTERNET and ACCESS\_FINE\_LOCATION permissions , so that this app can get the accurate location of the user and display it. Android is known for it’s security and hence permission has to be granted to use some feature of the OS. Unless the permission has not granted, there will be SecurityException error in the app. |

## 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.)**

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| There is no content provider in my app. |

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

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| It doesn’t use external API’s. Android’s Location API’s is being used. |

**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.)**

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**What loaders/adapters are used?**

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## 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)**

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| On the home screen of my app, when the user rotates the mobile to landscape or vice versa, the location ( latitude and longitude ) points and the address are restored as was in the previous state than providing the default value as “not available ☹”. |

# 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:**

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| When the user triggers the “Start Tracking” option of my app, an On-going notification is placed in the notification panel to inform the user that his locations are being tracked. When tracking is stopped, the notification goes away ☺. |

## ShareActionProvider

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

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| ShareActionProvider is provided by Intent.putExtra( ) method. This is used to share the location of the user to other apps like messaging, whatsApp, hangouts etc., When share option is clicked, a share popup dialog is prompted so that the user can select to which application he/she shares the Information. |

## Broadcast Events

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

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## Custom Views

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

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| By default Android provides a simple layout for listview. As my app need to show some extra details, I have used a custom layout of the list. According to Material Design guidelines, this app uses new RecyclerView instead of traditional ListView . |