## 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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| My app uses three different types of permissions. First I am using the internet permission to allow the app to pull data from the web api.  Next I am using three permissions to allow the sync adapter to keep my application up to date.  Finally I am using two permissions to allow for the Google Map apis to work correctly. They need access to the network state and the ability to write to external storage. |

## 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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| My application is using the WifiLocationProvider as the content provider. It is backed by a SQLite database with one table called wifilocation. |

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

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| The API I am using for this application is from the Nashville Open Data Portal.  https://data.nashville.gov/resource/4ugp-s85t.json |

**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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| The SyncAdapter is called OpenWiFiSyncAdapter. It is also using the HttpURLConnection mechanism to do the api calls. |

**What loaders/adapters are used?**

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| It uses a cursor loader to load the locations into the initial listview when the app starts up. I am also using an adapter to load the contents into the recyclerview for the navigation drawer. |

## 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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| The app is returned to the correct activity that it was on when the user navigated to the home screen or to another app. On resume it will be at the last activity that was used. |

# 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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| I added an optional notification in the settings menu to be notified when the app syncs with the api. It is turned off by default. |

## ShareActionProvider

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

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| On the details screen I have added a share action to share the current wifi location that is being displayed on the map. |

## Broadcast Events

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

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| N/A |

## Custom Views

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

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| N/A |