## 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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| --- |
| Internet: To connect to cloud database and to use map functionality.  GPS: To access accurate location of user.  Write External Storage: To store user info and database to external storage.  Read and write sync setting: To get and set sync setting to sync user info to cloud database  Access Network State: To access state of network of user device.  Authenticate Accounts: to verify user login to cloud database. |

## 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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| 1. The content provider is called LoginProvider, it is backed using SQLite and it has a table called login table. 2. I used CursorAdapter and CursorLoader |

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

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| The backends are SQLite and Google Cloud. |

**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 SyncAdapter. It uses **HttpURLConnection** to talk over the network. |

**What loaders/adapters are used?**

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| My app uses three instances of CursorLoaders and CursorAdapters. |

## 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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| My app preserves and restores the user or app state in my Tracker activity, Login Activity and Locate Activity. It preserves the app state in the onSavedInstanceState(Bundle bundle) method and then restores it back inside onCreateView() |

# 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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| It does not use notifications |

## ShareActionProvider

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

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| It uses shareActionProvider to share the App itself. |

## Broadcast Events

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

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| --- |
| It does not use broadcast event |

## Custom Views

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

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| --- |
| It uses tablayout and tabstrips to navigate between different inflated layout. |