## 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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| --- |
| This permissions include to to use the Google Maps Android API:   * android.permission.INTERNET * android.permission.ACCESS\_NETWORK\_STATE * android.permission.WRITE\_EXTERNAL\_STORAGE   Next permissions required for receive location:   * android.permission.ACCESS\_COARSE\_LOCATION * android.permission.ACCESS\_FINE\_LOCATION   And this need for receive broadcast after system boot:   * android.permission.RECEIVE\_BOOT\_COMPLETED |

## 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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| --- |
| Pumpkin List Content Provider is named ShoppingContentProvider backed by an SQLite database, with five tables: purchase\_lists, purchase\_items, places, friends and goods.  Tables friends and goods don't used now. But in the future it will need to networking. |

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

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| Currently the app is not using any API. The application works with the data entered by the user. |

**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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| --- |
| Not used. |

**What loaders/adapters are used?**

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| Used CursorLoader to get data from db: purchase lists, purchase items and places.  Also in app used CursorAdapter, BaseAdapter, ArrayAdapter. |

## 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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| --- |
| App correctly preserves and restores app state:   * List position remains on rotation. * When an activity is displayed, the same activity appears on rotation. * User text input is preserved on rotation. |

# 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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| Notification used in GpsAppointmentService to notify when position of the user matches the criteria reminder.  Also Notification used in AlarmBroadcastReceiver to notify by time. |

## ShareActionProvider

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

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| --- |
| Not used. |

## Broadcast Events

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

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| Used in AlarmBroadcastReceiver to make notification by time and AutoStartBroadcastReceiver to receive the ACTION\_BOOT\_COMPLETED after the system finishes booting to restore reminder. |

## Custom Views

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

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| --- |
| Not used. |