## 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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| Only android.permission.WRITE\_EXTERNAL\_STORAGE is used. It's necessary for saving screenshot of todo list to a file on external storage (used for sharing ability). |

## 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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| Content provider is called TodosProvider and is backed by SQLite database containing two tables: list (lists) and todo ("todo" entries of specified list). |

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

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| No backend is currently 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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| No network connections are currently used. |

**What loaders/adapters are used?**

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| There are two pairs of CursorAdapter with CursorLoader used in fragments (TodosFragment, TodosListFragment). CursorAdapters are customized for own item layouts and using ViewHolder "pattern" for access to its subviews. CursorLoader then loads data from content provider to ListView. |

## 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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| TodosListActivity in tablet mode correctly saves active shown list/adding new list/adding new todo. After rotation application shows fragment with same data. ListView with lists is automatically scrolled to selected list.  When adding new todo entry or list entry then "todo text" or "title" is saved (as handled by android framework). |

# 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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| Implementation is in NotificationService class (which extends from IntentService). Based on intent received to NotificationService is notification (i) shown for selected todo list, (ii) current entry is marked as completed and notification is shown for next entry, (iii) notification is canceled.  Notification supports Android Wear and extends notification with another page which contains next todo entries (used InboxStyle for that page). |

## ShareActionProvider

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

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| ShareActionProvider is used in menu for TodosFragment. Share intent is firstly set in method TodosFragment::setShareIntent. When user select concrete share target, then callback via onShareTargetSelected is used to generate screenshot of whole ListView (in methods makeScreenshot and getListViewBitmap). |

## Broadcast Events

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

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| No broadcast events handled. |

## Custom Views

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

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| No custom views implemented. |