**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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| - android.permission.INTERNET  To obtain the JSON information news from the Internet.  - android.permission.READ\_SYNC\_SETTINGS, android.permission.WRITE\_SYNC\_SETTINGS  To Create a Sync Adapter  - android.permission.AUTHENTICATE\_ACCOUNTS  To perform additional accounts. |

**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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| Topic News' Content Provider is names "GoogleNewsProvider" backed by an SQLite database, with a table: news.  Package: com.android.udacity.google.topicnews.app.provider  Class: GoogleNewsProvider |

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

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| Topic News talks to the Google AJAX Search API. |

**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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| Topic News uses "HttpURLConnection" to talk to the network. |

**What loaders/adapters are used?**

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| Topic News uses CursorAdapter and 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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| In tablet mode, you can select category of news. Topic News preserves your selected category and restores it.  In Mobile mode, Topic News does not implements function that you select category. |

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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| Topic News implements Notification in GoogleNewsSyncAdapter class. It will notify one of latest news to the user every six hours. |

**ShareActionProvider**

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

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| Topic News implements ShareActionProvider in DetailFragment class. You can share any news (title, content).  In tablet mode, Topic News does not imeplement ShareActionProvider. It will be the same operation that click to the "Share" link. |

**Broadcast Events**

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

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| NA |

**Custom Views**

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

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| Topic News implements NetImageView that extends ImageView. It can automatically download the image by specifying the URL. |