

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.

Permission for accessing internet to talk with google sheet and load the webview:

- android.permission.INTERNET

These 3 permissions are used for sync adapter :

- android.permission.READ_SYNC_SETTINGS
- android.permission.WRITE_SYNC_SETTINGS
- android.permission.AUTHENTICATE_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`.)

WhatsOn Undip's Content Provider is named `EventProvider` backed by an SQLite database with one table named "event".

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

WhatsOn Undip talks to the events API. This API uses Google Spreadsheet. Here's the spreadsheet link :

https://docs.google.com/spreadsheets/d/1Yh6MxmVd0-pB_SmX2Y62TxnAPIZotEGHzrYT-6BDSqk/edit?usp=sharing

that spreadsheet is represented with json format using a kind of spesific URL like this :

https://spreadsheets.google.com/feeds/list/1Yh6MxmVd0-pB_SmX2Y62TxnAPIZotEGHzrYT-6BDSqk/od6/public/values?alt=json

The yellow highlight is the spreadsheet key. It must be exactly same.

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.)

Just like Sunshine, WhatsOn Undip also uses `HttpURLConnection` to talk to the network.

What loaders/adapters are used?

WhatsOn Undip uses loader to display data from the database to the UI.

WhatsOn Undip also uses CursorAdapter that be implemented by EventAdapter to set the view of every list item.

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)

WhatsOn Undip correctly preserves and restores user or app state, such as :

- When a list item is selected, it remains selected on rotation.
- When an activity is displayed, the same activity appears on rotation.

When the app is resumed after the device wakes from sleep (locked) state, the app returns the user to the exact state in which it was last used.

When the app is relaunched from Home or All Apps, the app restores the app state as closely as possible to the previous state.

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:

ShareActionProvider

Please elaborate on how/where you implemented ShareActionProvider:

WhatsOn Undip uses ShareActionProvider to share “event detail” with an outside application.

Broadcast Events

Please elaborate on how/where you implemented Broadcast Events:

Custom Views

Please elaborate on how/where you implemented Custom Views: