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.

> Because my app is about device information so it should be use some permission to collect of some information such as Camera, Bluetooth, GPS or Vibrate Motor.

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`.)

> FileParser.java backed by a file in internal storage to store information of devices.

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

> Backend is my own server. I build a server to store data on there and communication by REST and HTTP Get/Post. It based on NodeJS.

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.)

I used OkHttp from Square. It's very useful for me to talk to the server.

What loaders/adapters are used?

I'm not sure this question. But I create NetworkManager class to handler operation to talk to the server. It handler all network communication in my app, and sent result back to any activity or fragment by Otto Event Bus.

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)

For activity, I handle it at onSaveInstanceState to save view state and restore it at onCreate.

For fragment, I use a StateFragment library to handle it. It can save and restore it on fragment without any problem.

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:

Not yet now, but I have a next plan to use push notification in my app.

ShareActionProvider

Please elaborate on how/where you implemented ShareActionProvider:

Broadcast Events

Please elaborate on how/where you implemented Broadcast Events:

Custom Views

Please elaborate on how/where you implemented Custom Views:

I implemented my custom views at app.akexorcist.deviceinformation.widget package with 2 view class.

Finish Image View : For animate success bullet or failed on SubmitFragment.
Non Swipeable View Pager : I use it on Device Switcher (SwitcherFragment.java) to disable swipeable on view pager.

Otherwise, I use library on GitHub.
- com.pnikosis.materialishprogress
-
- Circular Progress Button
- Etsy Blur
- Pager Sliding Tab Strip
- Snackbar
- Ultimate Recycler View
- Materialish Progress