

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.

Access to coarse/fine location: because we need to know where the user is in order to recommend restaurants near them.
Access to Internet: because we need to call yelp api, get some images from url, etc
Call Phone: because we want the user to be able to call the restaurant directly from our app

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`.)

The name of our content provider is `DataProvider` backed by SQLite with two tables, one is called `history`, the other one is `detail`

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

We use Google Maps API, Yelp 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.)

What loaders/adapters are used?

A cursor adapter called BlackListAdapter

User/App Stated

Please elaborate on how/where your app correctly preserves and restores user or app state. (See rubric for examples on this question)

1. When the device is rotated
2. When user goes to another activity and hit Back button to go back
3. When user is in an activity and hit Up button to go back to the parent activity

I overrode onSaveInstanceState and onRestoreInstanceState, and added `android:launchMode="singleTop"` to the MainActivity. When the app resumes and the Google Map fragment is ready I restore whatever I saved.

In the tablet layout, where there's only a single activity and I need to swap the fragments, I overlay the fragments on top of each other so that their states are saved when swapped to the back.

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:

Broadcast Events

Please elaborate on how/where you implemented Broadcast Events:

Custom Views

Please elaborate on how/where you implemented Custom Views:

