PROJECT 2

You will construct an Android app, in Kotlin, that fulfills all the requirements listed below. I recommend you choose a theme that closely matches what you plan on for you final app. This is not required, but may help move your final project forward and provide a solid base to build up.

Requirements

1. **2 Activities** - At least 2 Activities that are used in the app. The first one may contain a side menu, a bottom navigation bar, a tabbed scroll view, etc, but you will need to launch one other activity.
2. **2 custom Fragments** on the same Activity - Put at least 2 fragments on a single activity. Do not put any code that controls that fragment in the Activity except the necessary code to display the fragment.
3. **Reuse 1 custom fragment** - Reuse 1 fragment in multiple areas within your app. Example: A custom List fragment that shows a list of restaurants in alphabetical order. Reuse that list fragment to show a list of restaurants in a separate area of your apps, but only restaurants within a 1 mile area.
4. **Database** to store data between launches - Data must persist between application launches. Data should be entered into the app, stored in the database, and then retrieved again when the application launches.
5. **Consume data from the web** - This can be a static JSON or XML file, a publicly available API, or communicates with your own server.

Databases

https://objectbox.io/ - NoSQL
http://greenrobot.org/greendao/ - SQL - relational
https://developer.android.com/topic/libraries/architecture/room
If you choose to include these requirements as part of your final project, you do not need to submit a separate project for this spec.

Grading

Completing all requirements gives a base score of **90%**. To achieve a higher score, add additional content, features, design or extra detail.