

Branch Messenger - Android Interview Code Challenge

Your mission, if you choose to accept it, will be to create a simple reading list application. Please use the Open Library REST API found here: <https://openlibrary.org/developers/api>

Functional requirements:

- Search for books based on title and author and add them to a reading list
- Remove books from the list
- Mark books as finished after having read them
- Separate views of books to read and books which have already been read
- Application should be usable in both portrait and landscape modes
- (Optional) Update my progress as either a number of pages read so far or a percentage
- (Optional) A list of places the book can be bought online with a way to navigate to each of them
- (Optional) Any other features you'd personally expect to see in such an application

You are not expected to implement anything marked as optional, but feel free to add it if you have the time.

Guidelines:

- Data should be stored offline in a local database.
- You may use either Kotlin or Java, but remain consistent throughout the application. Use the proper idioms of whichever language you choose.
- Minimize use of third-party libraries. Don't use something third party where something from the Support Library/Jetpack or Google Play Services will suffice. Common libraries like Retrofit for API consumption or Dagger for DI are fine, but not necessarily required.
- Demonstrate strong understanding of modern Android development tools such as Jetpack.
- Demonstrate strong understanding of Material design.
- Use whatever kind of application architecture you'd, but keep it consistent and be prepared to explain the pros and cons of your chosen architecture.

Please submit your source code either as a URL for a source repository (git/hg/etc) or a compressed archive (gzip/bzip2/zip/etc).