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CORNERSTONE
TECHNOLOGIES

Android Course

Homework No. 3

My Library

1. Create an Activity with a FrameLayout inside.
2. Configure Room/Firebase Database library;
3. Create a fragment which contains the following:
 - 3.1. One EditText with hint "Book Title" (max 100 characters, validate to be non-empty); One EditText with hint "Book Author" (max 100 ch, validate to be non-empty); One EditText with hint "Book Description" (max 1000 ch, validate to be non-empty);
 - 3.2. 1 Button below 3rd EditText. It will be used to **ADD/UPDATE (if title+author exists)** a Book into Room/Firebase Database if validations on edittexts passes - otherwise, show error message.
 - 3.3. RecyclerView to load all the books.
4. Inside RecyclerView, book layout cell will contain the following:
 - 4.1. Title - max 1 lines, ellipsize - end;
 - 4.2. Author - max 1 line, ellipsize - end;
 - 4.3. Description - max 3 lines, ellipsize - end;
 - 4.4. Delete button/icon used to remove the book from recyclerview & database.
5. When click on a book, open a new fragment that displays book details.

UI mock example

