

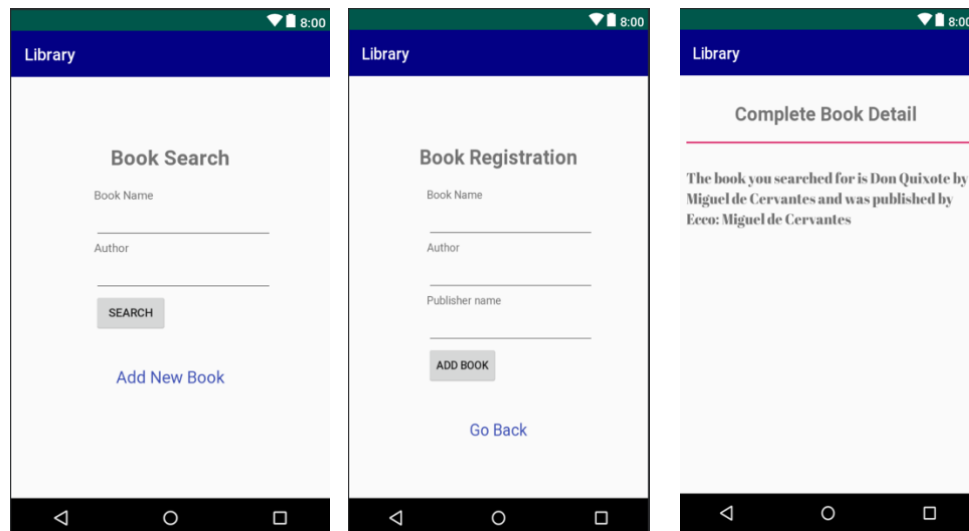
CMPS 312 Mobile Application Development

IN LAB ASSESMENT 4

In this in lab assessment, you are required to create a simple Library that uses the SQLite database.

THE LIBRARY APP

1. Create an application and name it “LibraryApp”
2. Create three activities
 - a. Search Activity → contains the login screen
 - b. AddBook Activity → contains the registration screen
 - c. MainActivity → contains the result screen



3. When the user clicks “**ADD NEW BOOK**”
 - a. You should open the **addbook activity**
4. When the user clicks on the **ADD BOOK button** inside the add book activity,
 - a. Read all the book information
 - b. Save the data into an SQLite database
5. If the user is on the **book search screen** and click on the **search button**, then you should check if the **book and author match what is saved in the database**.
 - a. Check if the book exists in the database or not
 - b. If the Book exists in the database then compare the author entered with the author provided by the user. If the two match then open a complete book detail(MainActivity) screen saying “The book you searched for is **X** by **Y** and was published by **Z**” X, Y and Z represent the book name , author and publisher respectively.

Deliverables:

Submit your project via the submit **Github**. Your submission should include: a. the source code
Android Studio project and the Testing Sheet .