ANDROID TRAINING

CODING ASSESSMENT - ANDROID

TOPIC : USER INTERFACE, ROOM DB & NAVIGATION

Duration : 4 hours

1.

To Do List / Grocery List

If you want to store large amounts of data offline in structured way and retrieve it later, you have to learn how to use databases. A to-do list, grocery list or any kind of list app is a great way to start getting into this topic, because the database structure is usually pretty simple and without any complex relationships. There is an Android library called "Room" that abstracts a lot of this low-level SQLite stuff and makes it easier to use, but nevertheless I think it's good to start with raw SQLite as a beginner and then switch to Room when you feel like you understand it.

2.

Create Contacts App in Android Studio – Use Room DB with Navigation (If you are facing problems in Room DB, make separate screens with Add, Edit, List with navigation)

3.

- ✓ Start here. Construct a simple notes list that lets the user add new notes but not edit them. Demonstrates the basics of ListActivity and creating and handling menu options. Uses a ROOM database to store the notes.
- ✓ Add a second Activity to the application. Demonstrates constructing a new Activity, adding it to the Android manifest, passing data between the activities, and using more advanced screen layout. Also shows how to invoke another Activity to return a result, using startActivityForResult().
- ✓ Add handling of life-cycle events to the application, to let it maintain application state across the life cycle.