
Learn To Develop Android Apps

This course covers all the concepts of Android in detail from simple image rendering to complex cloud based applications. After completing this course the student will have all the knowledge to start working on his own app idea and publish it to the play store. The student will also be in a position to dive deep into advanced Android.

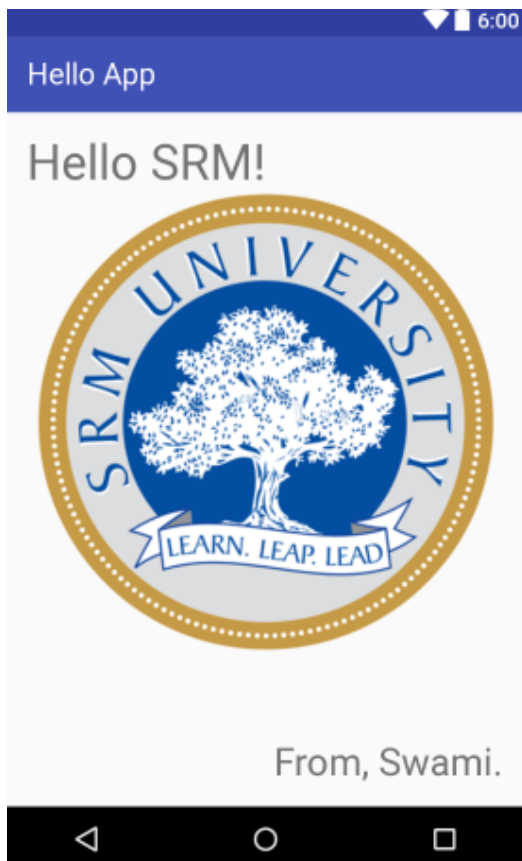
prepared by

Swaminathan.M

ANDROID DEVELOPMENT SYLLABUS

1. Hello Android.

Design and implement a simple app which shows text and image on the screen.



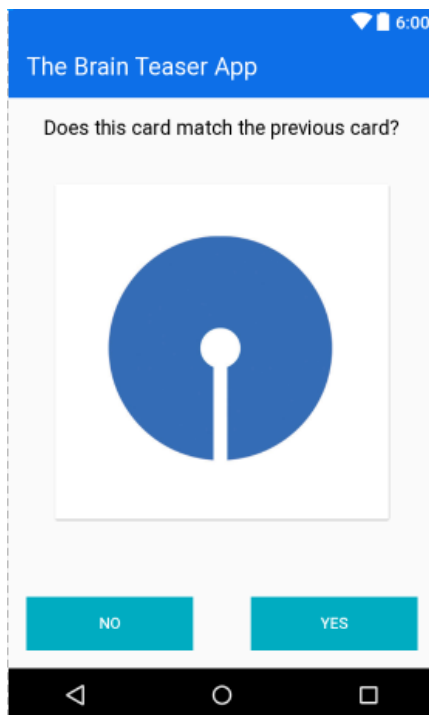
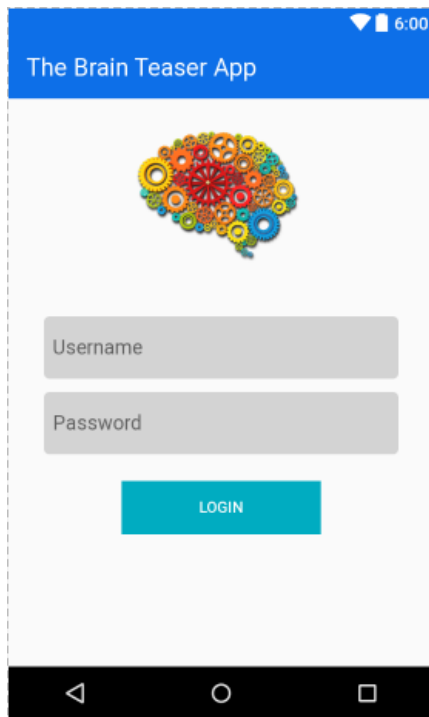
- Mastering the IDE
- Android Views
- ViewGroups
- The XML Syntax
- Introduction to Activities

Final Project

[MemeMe App](#)

2. User Input.

Implement an app to keep track of scores from various quiz questions.



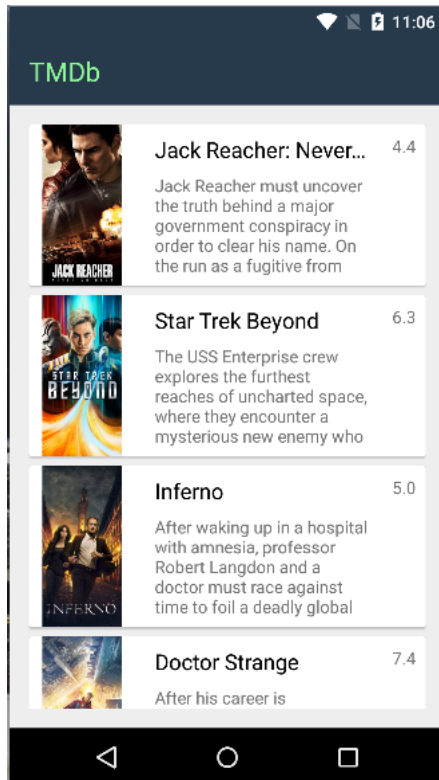
- JAVA for Android
- Introduction to Object Oriented Programming
- Resources in Android
- Theming and Styling
- Introduction to Activities
- Activity Intents
- Introduction to Fragments in Android
- Handling orientation changes

Final Project

The Brain Teaser App

3. Networking on Android.

Create an app to list favourite movies using the TMDb API.



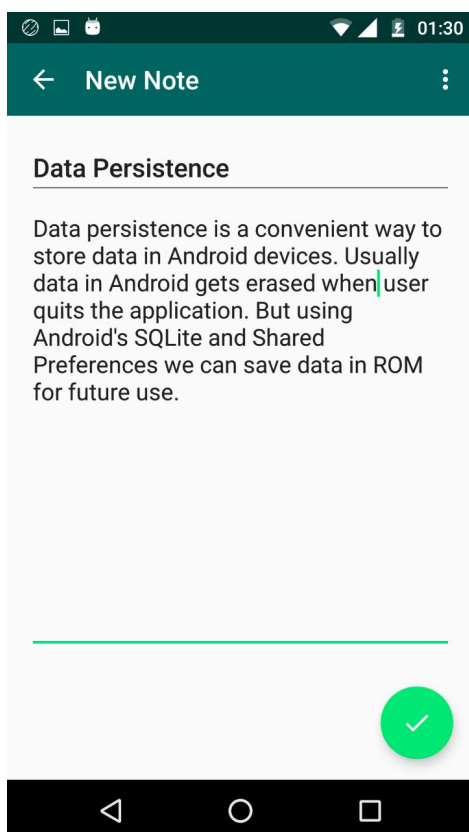
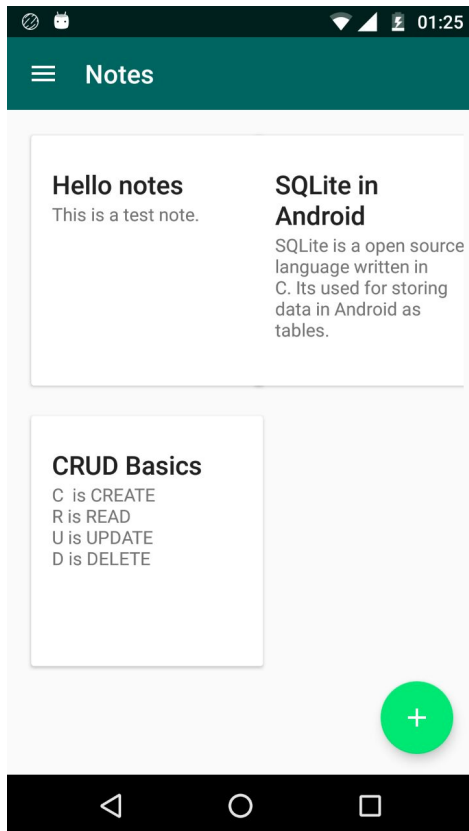
- RecyclerView Views and Adapters
- JSON Parsing
- HTTP Networking
- Threads in Android

Final Project

The Movie Database(TMDb)
App

4. Data Persistence.

Learn to store user data in SQLite Database with the help of notes taking app.



- CRUD Basics
- SQLite for Android
- Content Providers
- Overview of Material Design
- DrawerLayout

Final Project

Notes Taking App

FURTHER READING

1. Android Canvas Drawing.
2. OpenGL for Android.
3. Android NDK

TOPICS NOT COVERED

1. Building Apps with Location and Maps.
2. Constraint Layout.
3. Android View Animations.