

Outlab 9: Android

Study Planner

In this Outlab you have to build an Android App that plans your daily study plans and keeps track of all your assignments, lectures and exam schedules.

(MAX. Marks: 100)

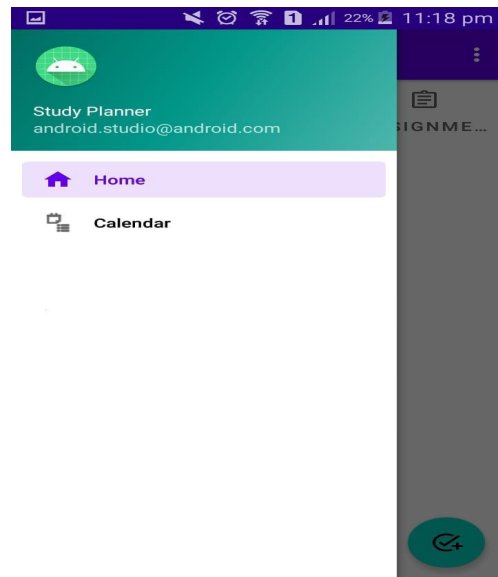
This app should be coded in Java only.

1. Main Module

→ Add side navigation menu

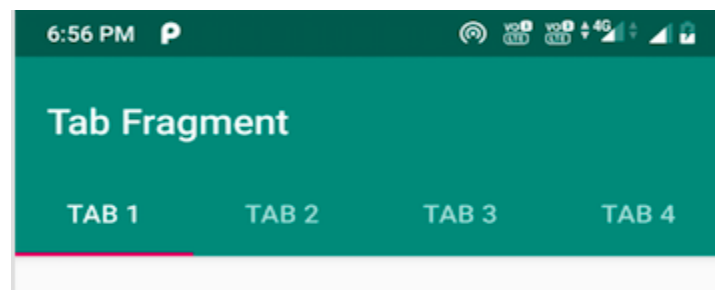
(5 points)

- Home
- Calendar



→ Add Tab fragment

(5 points)



Create tab fragments and name the tabs as "Study Plan", "Assignment", "Exam", "Lecture".

2. Dashboard Module

→ Display Events

(20 points)

Display all previously created events with all details associated with events from the local database in respective tab fragments in scrollable view ([use recycler view](#)).

→ Add/Remove Events

(30 points)

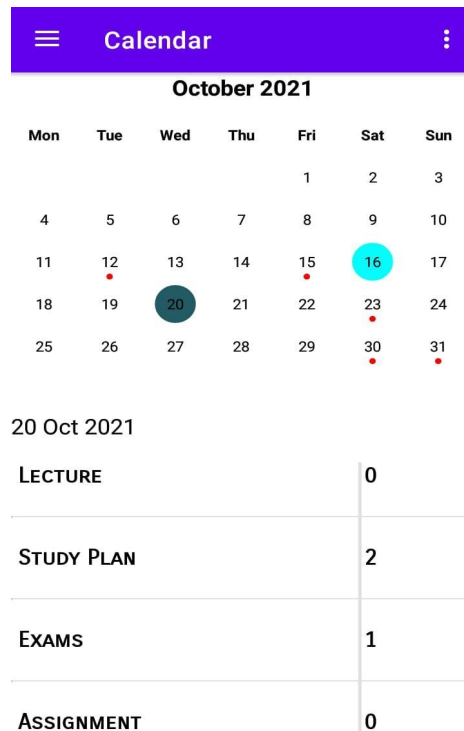
- Study plans
- Assignments
- Exams/Quizzes
- Lectures

Creating an event takes many parameters such as event title, date, time, description, etc. depending on the type of event. The event should be saved in the local database and reflected on the dashboard.

3. Calendar Module

(40 points)

This module gives a summarized view of the tasks/events for any selected day. It also marks the days on which tasks/events are set. A summary would be the count of different types of events for a selected date.



NOTE: All the above pictures are for example only. It is not necessary to be an exact copy of it. You can choose the UI design of your choice but all the requirements must be met.

Submission and Grading

- After completion of your android app, use the command **tar -zcvf** to package it into a tarball having the following format: **<roll-no1>-<roll-no2>-outlab9.tar.gz**. Submit once only per team.
- The **deadline** for this lab is **8th December 2021**.
- If you exceed the size please delete the build folder before submitting it. This build folder will be automatically created when you run the app.

<roll-no1>-<roll-no2>-outlab9/

```
|— references.txt
|— app
    |— app
    |— Gradle
    |— other files
```

Resources

- [Intro to Android](#)
- [Install Android Studio](#)
- [Meet Android Studio](#)
- [Build Your First Android App](#)
- Database [link1](#),[link2](#),[link3](#)
- [Recycler view](#)