

RV College of Engineering®, Bengaluru -560059.
(An Autonomous Institution Affiliated to VTU, Belagavi)
Department of Information Science & Engineering



Course Name: MOBILE APPLICATION DEVELOPMENT
Course Code: 16IS6C4
Self-Study Report
On

ATTENDANCE MANAGER

By,
MUTHE SRI ANIRUDH **1RV17IS023**

Submitted to,
Prof. Chethana R Murthy
Dept. of ISE,RVCE.

In the partial fulfillment for,
6th Semester, Bachelor of Engineering Degree
April 2020

RV COLLEGE OF ENGINEERING®, BENGALURU -560059.
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the Self study work titled '**ATTENDANCE MANAGER**' is carried out by **MUTHE SRI ANIRUDH (1RV17IS023)** who is bonafide student of R.V College of Engineering, Bengaluru, in partial fulfillment for the award of degree of **Bachelor of Engineering** in **ISE** of the Visvesvaraya Technological University, Belagavi during the year **2019-2020**. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. The report has been approved as it satisfies the academic requirements in respect of Foundations of Management & Economics for 6th semester prescribed by the institution for the said degree.

Signature of Course In-Charge

Signature of HOD

ATTENDANCE MANAGER

Introduction

Attendance Manager is an mobile application developed based on the requirements of students of RVCE to maintain their attendance status . This application has features primarily intended to support student needs .

Features:

- This application can be used as normal calculator to calculate attendance percentage
- User can add subject list
- User can have stored records of each subject attendance
- User is provided with flexibility to add/change minimum percentage criteria
- User is provided with how many consecutive classes should be attended to meet attendance requirement
- User can delete the subject

Concepts Used:

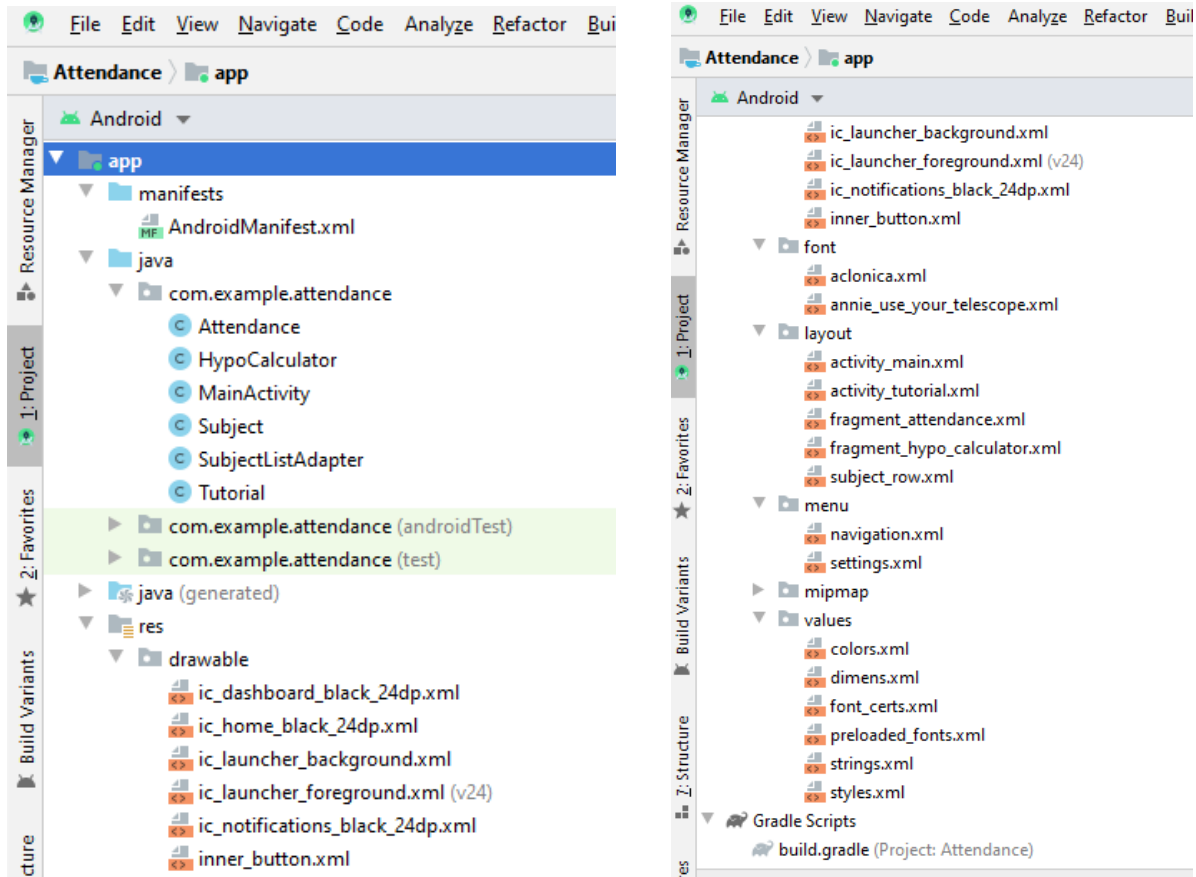
This mobile application is built using standard concepts of android such as views, activities, shared preferences, Sql lite, intents, fragments, event listeners and many others

Used latest android support libraries from androidX to facilitate constraint layout and appcompat feature which is used to support previous versions of android as well.

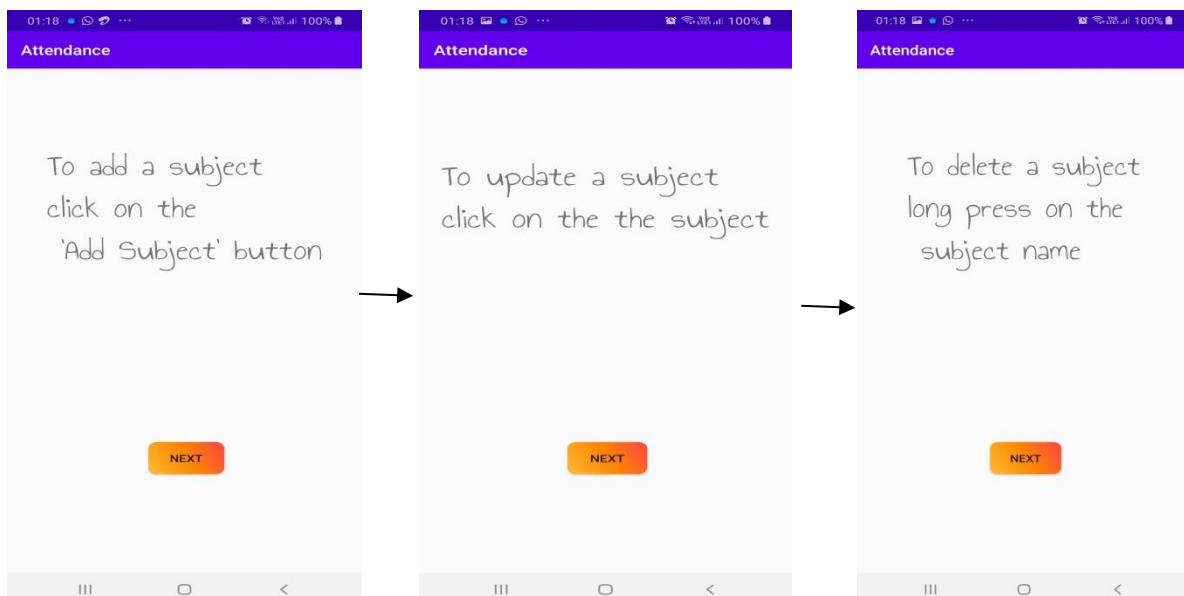
Gradle Build:

- SDK versions
minSdkVersion = 16
targetSdkVersion = 29
- java compile options
sourceCompatibility = 1.8
targetCompatibility = 1.8

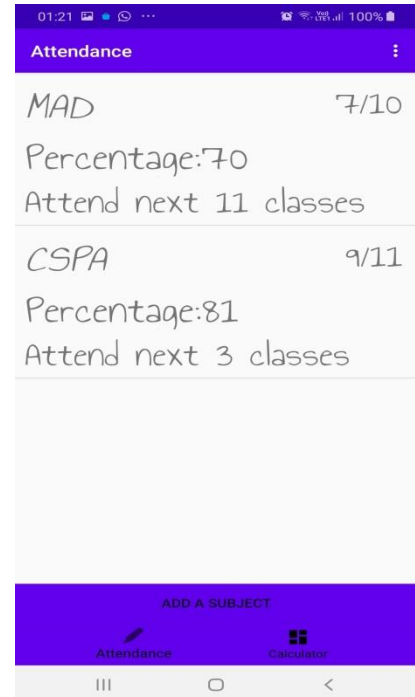
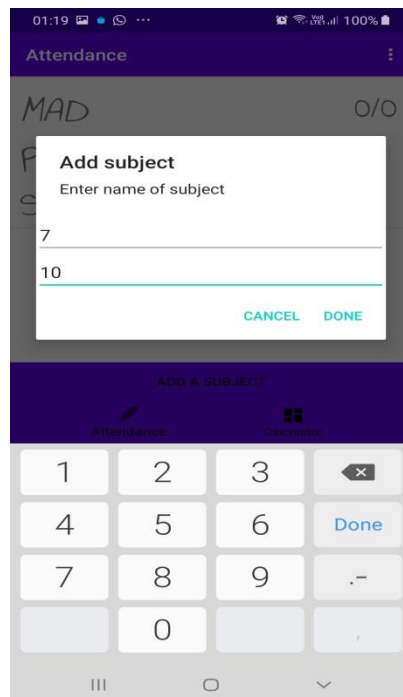
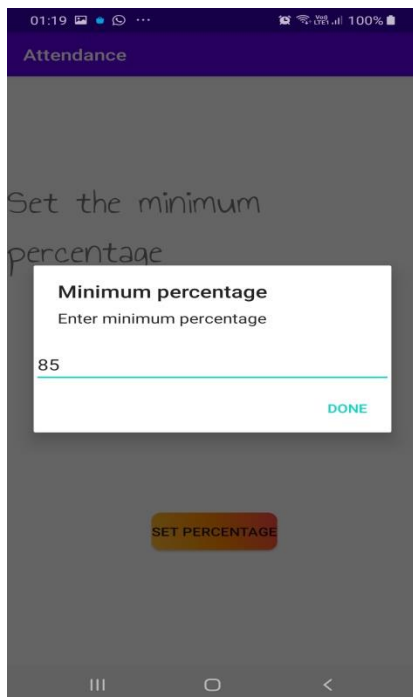
File Structure:



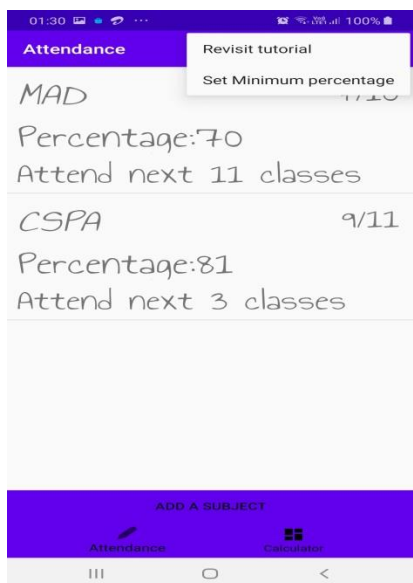
Screenshots to demonstrate working



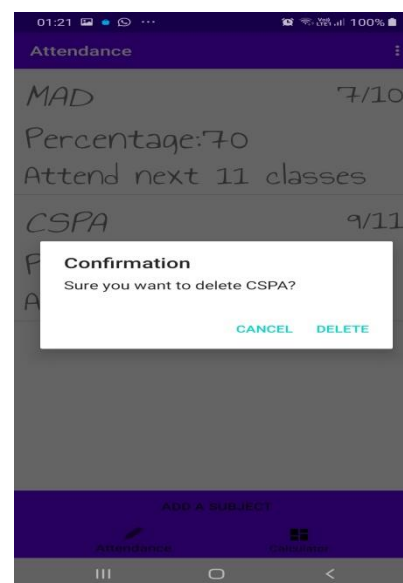
Setting minimum percentage and adding a subject



Navigation menu



delete confirmation



normal calculator

