



BAHRIA UNIVERSITY, (Karachi Campus)

Department of Software Engineering

Open Ended Lab -1

Semester Fall 2023

Course Title: Software Application & Mobile Devices

Course Code: SEL-448

Course Instructor: Engr. Adnan Ur Rehman

Class: BSE-6(B)

Lab Instructor: Engr. Hamza

Name: _____

Max. Marks: 12 Marks

Reg no: _____

Time: 1:30 hours

Date: _____

INSTRUCTIONS:

- Submit the task on LMS within given time.
- Include your name or enrollment number in the page footer.
- Your file name should be in the given format:
 - [Class Section] [Complete Name] SMAD(OEL1) i.e., **BSE1C Usman Ali SMADOEL1**

Question no 1

Scenario:

(CLO 4, Marks: 10)

You have been tasked to Implement an Android application using Android Studio and Java. The aim of the app is to provide users with a convenient tool for setting and managing alarms on their mobile devices. With the increasing reliance on alarms in our daily routines, this app will serve as a reliable wake-up assistant, ensuring users never miss important appointments or tasks.

Tasks:

1. **User Interface Design:** Design an intuitive and user-friendly interface that allows users to easily set, edit, and delete alarms. Include features such as a digital or analog clock display, a list of existing alarms, and options for customization such as alarm tone selection and snooze settings.
2. **Alarm Functionality:** Determine the core functionalities of the alarm system, including the ability to set one-time or recurring alarms, specify the time and date for each alarm, and configure additional settings such as vibration or gradual volume increase.
3. **Install Using ADB or AVD:** Install the Implemented Application in your Android Device or Virtual Device.

Note: Provide all Screenshot (xml & .java) files of all Classes in Implemented Application in the Submission file in pdf format

TASK # 02: Viva

(CLO6, Marks: 02)