VIT-AP UNIVERSITY, ANDHRA PRADESH
Lab Sheet 9: AlertBox

Academic year: 2022-2023

Semester: Fall

Faculty Name: Dr. K Rajesh

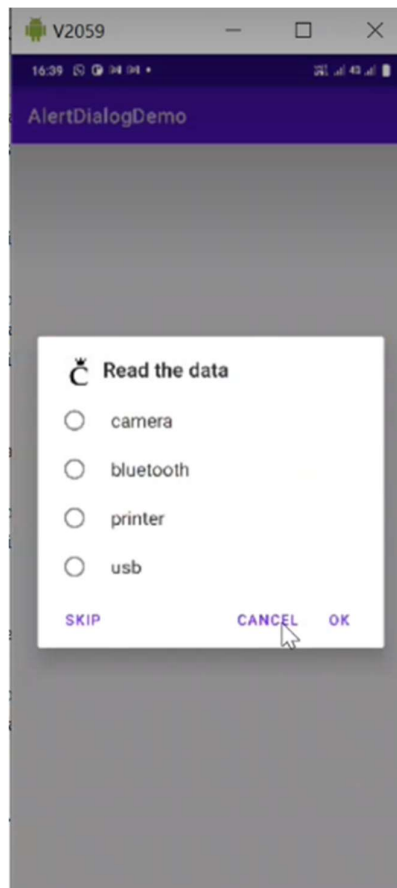**Branch/ Class:** B.Tech

Date: 16-11-2022

School: SCOPE

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1. Design an App that create an Alertbox contain the radio buttons for selection single choice. On Clicking the option call a new activity displaying the message about the option selected.

CODE:

MAIN_ACTIVITY1.JAVA:

```
package com.example.alertdialogbox;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.annotation.SuppressLint;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
```

```java
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import com.example.alertdialogbox.R;

public class MainActivity extends AppCompatActivity {
    Button b1;
    String str;
    String names[]={"camera","bluetooth","printer","usb"};
    @SuppressLint("MissingInflatedId")
    @Override protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=findViewById(R.id.b1);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                AlertDialog.Builder builder=new
                        AlertDialog.Builder(MainActivity.this);
                builder.setTitle("Input");
                builder.setSingleChoiceItems(names, -1, new
                        DialogInterface.OnClickListener() {
                            @Override public void
                            onClick(DialogInterface dialogInterface, int
which) {

                                str = names[which];
                            }
                        });
                builder.setPositiveButton("OK",new
                        DialogInterface.OnClickListener(){
                            @Override
                            public void onClick(DialogInterface dialog,int
which){

                                Intent intent = new
Intent(MainActivity.this,MainActivity2.class);
                                intent.putExtra("checked values",str);
                                startActivity(intent);
                            }
                        });
                builder.setNegativeButton("Cancel",new
                        DialogInterface.OnClickListener(){
                            @Override
                            public void onClick(DialogInterface dialog,int
which){

Toast.makeText(getApplicationContext(),"selection not
done",Toast.LENGTH_LONG).show();
                                dialog.dismiss();
                            }
                        });
                builder.setNeutralButton("Skip",new
DialogInterface.OnClickListener(){
                            @Override public void
                            onClick(DialogInterface dialogInterface, int i)
{

                            }
                        });
                builder.create().show();
            }
        });
```

```
    }
}
```

ACTIVITYMAIN1.XML:
```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context="MainActivity">
    <Button android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="204dp"
        android:layout_marginEnd="160dp"
        android:text="Alert"
        app:layout_constraintEnd_toEndOf="parent
"
        app:layout_constraintTop_toTopOf="parent
" />
</androidx.constraintlayout.widget.ConstraintLayout>
```
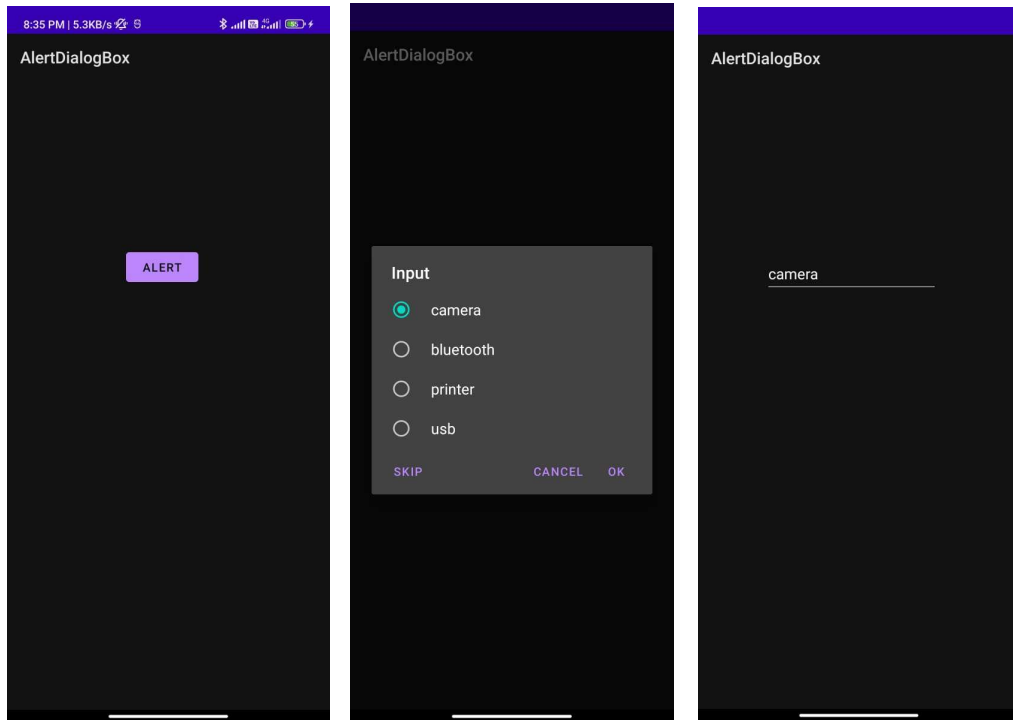
MAINACTIVITY1.JAVA:
```java
package com.example.alertdialogbox;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.widget.EditText;
public class MainActivity2 extends AppCompatActivity {
    EditText et1; @SuppressLint("MissingInflatedId")
    @Override protected void
    onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        et1=findViewById(R.id.et1); Intent
                intent=getIntent();
        et1.setText(intent.getStringExtra("checked values"));
    }
}
```
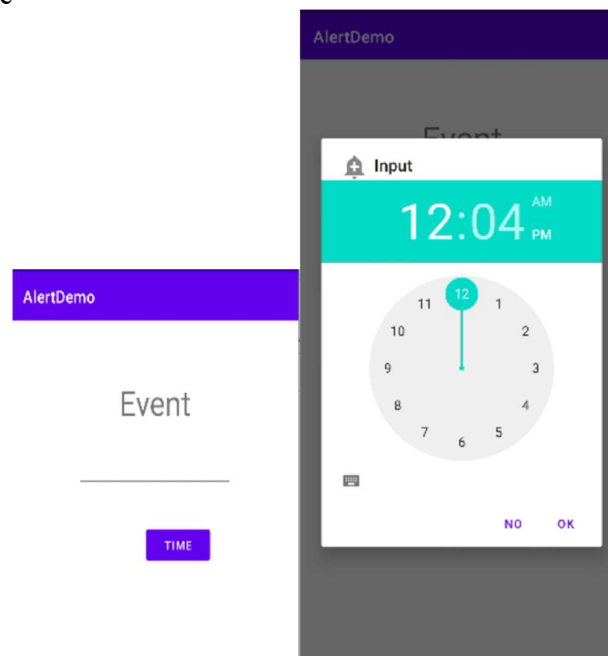
ACTIVITYMAIN1.JAVA:
```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context="MainActivity2">
    <EditText android:id="@+id/et1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="212dp"
        android:layout_marginEnd="100dp"
        android:ems="10"
        android:inputType="textPersonName"
```

```
        android:minHeight="48dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT:

2. Create below app for event management. When ever the button clock is pressed, an alertBox containing Timepicker should be loaded. On selecting the Time and clicked OK, the time should be displayed in editbox. On Clicking No, the dialog should dismiss with out setting the time

CODE:

MAINACTIVITY.JAVA:

```java
package com.example.myapplication;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TimePicker;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    Button b1;
    EditText t1; @SuppressLint("MissingInflatedId")
    @Override protected void
    onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=findViewById(R.id.b1);
        t1=findViewById(R.id.t1);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                AlertDialog.Builder builder=new
                        AlertDialog.Builder(MainActivity.this);
```

```java
                builder.setTitle("Time picker");
                TimePicker timePicker=new
                        TimePicker(getApplicationContext());
                builder.setView(timePicker);
                builder.setPositiveButton("Yes",new
                        DialogInterface.OnClickListener(){
                                @Override
                                public void onClick(DialogInterface dialog,int
                                        which){
                                        String ct="Current Time:
"+timePicker.getCurrentHour()+":"+timePicker.getCurrentMinute();
                                        t1.setText(ct);
                                }
                        });
                builder.setNegativeButton("No",null);
                builder.create().show();
            }
        });
    }
}
```

ACTIVITYMAIN.XML:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <EditText android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="300dp"
        android:layout_marginEnd="100dp"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        tools:ignore="SpeakableTextPresentCheck" />
    <Button android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="400dp"
        android:layout_marginEnd="148dp"
        android:text="Time"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="116dp"
        android:text="EVENT"
        android:textSize="40dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.23"
```

```
        />
</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT: