



STATE UNIVERSITY OF ZANZIBAR
SCHOOL OF BUSINESS

MOBILE APPLICATION DEVELOPMENT
(ANDROID)

ASSIGNMENT 2

BY:

SUAILA LAHDAD MOHAMED

BITA2/18/019/TZ

SUBMISSION DATE

07/06/2020.

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:id="@+id/editTextSampleText"
        android:text=""
        android:layout_marginTop="50dp"
        android:layout_marginBottom="50dp"
        android:layout_marginHorizontal="30dp"
    />

</RelativeLayout>
```

MainActivity.java

```
package com.example.myapplication;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.util.Log;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    private static final String TAG=MainActivity.class.getSimpleName();

    private EditText editTextSampleText;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Log.i(TAG, "method onCreate");
        editTextSampleText=(EditText) findViewById(R.id.editTextSampleText);
    }

    @Override
    protected void onStart() {
        super.onStart();
        Log.i(TAG, "method onStart");
    }

    @Override
    protected void onResume() {
        super.onResume();
        Log.i(TAG, "method onResume");
    }

    @Override
    protected void onRestart() {
        super.onRestart();
        Log.i(TAG, "method onRestart");
    }

    @Override
    protected void onPause() {
        super.onPause();
        Log.i(TAG, "method onPause");
    }

    @Override
    protected void onSaveInstanceState(@NonNull Bundle outState) {
        super.onSaveInstanceState(outState);
        Log.i(TAG, "method onSaveInstanceState");
        outState.putString("samplekey", editTextSampleText.getText().toString());
    }

    @Override
    protected void onRestoreInstanceState(@NonNull Bundle savedInstanceState) {
        super.onRestoreInstanceState(savedInstanceState);
        Log.i(TAG, "method onRestoreInstanceState");
        editTextSampleText.setText(savedInstanceState.getString("samplekey"));
    }

    @Override
    protected void onStop() {
        super.onStop();
        Log.i(TAG, "method onStop");
    }

    @Override
    protected void onDestroy() {
        super.onDestroy();
        Log.i(TAG, "method onDestroy");
    }

```

}

}

}

Screenshots

