THE STATE UNIVERSITY OF ZANZIBAR

(SUZA)

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

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LECT: MR MASSOUD MMANGA

SUBJ: MOBILE APPLICATION

GITHUB: SEIF-ADRASH

ASSIGNMENT PRACTICAL 2

ANSWER:

CODE SIDE XML:

POTRAIT:

```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"
    android:background="@color/colorPrimary"
    tools:context=".MainActivity">



    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="900dp"
        tools:layout_editor_absoluteX="8dp"

        tools:layout_editor_absoluteY="8dp"
        tools:ignore="MissingConstraints">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="900dp"
            android:layout_marginTop="100dp"
            android:layout_marginLeft="30dp"
            android:layout_marginRight="30dp"
            android:orientation="vertical">
             <TextView
                 android:id="@+id/a1"
                 android:textColor="@color/white"
                 android:layout_width="match_parent"
                 android:layout_height="match_parent"
                 android:text="USERNAME"/>
            <EditText
                android:id="@+id/edit1"
                android:textColor="@color/white"
                android:layout_width="match_parent"
                android:layout_height="match_parent"

                android:hint=""/>
            <TextView
                android:id="@+id/a2"
                android:layout_width="match_parent"
                android:textColor="@color/white"
                android:layout_height="match_parent"
                android:layout_marginTop="10dp"
                android:text="PASSWORD"/>
            <EditText
                android:id="@+id/edit2"
                android:layout_width="match_parent"
                android:textColor="@color/white"
                android:layout_height="match_parent"
                android:inputType="textPassword"
                android:hint=""/>
            <Button
                android:id="@+id/btn1"
```

```xml
            android:background="@color/light"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="40dp"
            android:hint="LOGIN"/>
        <Button
            android:id="@+id/btn2"
            android:background="@color/colorAccent"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="20dp"
            android:hint="EXIT"/>

        <TextView
            android:id="@+id/a3"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="50dp"
            android:text="RESULT"/>
    </LinearLayout>


    </ScrollView>

</RelativeLayout>
```

LAND SCAPE:

```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:background="@color/colorPrimary"
    android:layout_height="match_parent"
    tools:context=".MainActivity">


    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="700dp"
        tools:ignore="MissingConstraints"

        tools:layout_editor_absoluteX="8dp"
        tools:layout_editor_absoluteY="8dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="700dp"
            android:layout_marginLeft="30dp"
            android:layout_marginTop="100dp"
            android:layout_marginRight="30dp"
            android:orientation="vertical">

            <TextView
                android:id="@+id/a1"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:textColor="@color/white"
                android:text="USERNAME" />
```

```xml
        <EditText
            android:id="@+id/edit1"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:textColor="@color/white"

            android:hint="" />

        <TextView
            android:id="@+id/a2"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="10dp"
            android:textColor="@color/white"
            android:text="PASSWORD" />

        <EditText
            android:id="@+id/edit2"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:textColor="@color/white"
            android:inputType="textPassword"
            android:hint="" />

        <Button
            android:id="@+id/btn1"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="40dp"
            android:background="@color/light"
            android:hint="LOGIN" />

        <Button
            android:id="@+id/btn2"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="20dp"
            android:background="@color/colorAccent"
            android:hint="EXIT" />

        <TextView
            android:id="@+id/a3"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="50dp"
            android:text="RESULT" />
    </LinearLayout>


    </ScrollView>

</RelativeLayout>
```

CODE SIDE JAVA:

```java
package com.example.practical;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    /*EditText txtv1,txtv2,txtv3;
    Button login,exit;
    TextView a,b,c;*/


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

      /* txtv1=(EditText)findViewById(R.id.edit1);
       txtv2=(EditText)findViewById(R.id.edit2);
       a=(TextView)findViewById(R.id.a1);
       b=(TextView)findViewById(R.id.a2);
       c=(TextView)findViewById(R.id.a3);
       login=(Button)findViewById(R.id.btn1);
       exit=(Button)findViewById(R.id.btn2);



       login.setOnClickListener(new View.OnClickListener() {
           @Override
           public void onClick(View v) {
               String val1=txtv1.getText().toString();
               String val2=txtv2.getText().toString();

               c.setText("wlcome dear "+val1+" "+"and your username: is SX_"+val1+"
"+"password: is "+val2);

           }
       });*/


        Toast.makeText(getApplicationContext(),"oncreate",Toast.LENGTH_SHORT).show();
    }

    public MainActivity() {
        super();

    }

    @Override
    protected void onStart() {
        super.onStart();
        Toast.makeText(getApplicationContext(),"onStart",Toast.LENGTH_SHORT).show();
    }

    @Override
```

```java
        protected void onResume() {
            super.onResume();
            Toast.makeText(getApplicationContext(),"onResume",Toast.LENGTH_SHORT).show();
        }

        @Override
        protected void onRestart() {
            super.onRestart();
            Toast.makeText(getApplicationContext(),"onRestart",Toast.LENGTH_SHORT).show();
        }

        @Override
        protected void onPause() {
            super.onPause();
            Toast.makeText(getApplicationContext(),"onPause",Toast.LENGTH_SHORT).show();
        }

        @Override
        protected void onStop() {
            super.onStop();
            Toast.makeText(getApplicationContext(),"onStop",Toast.LENGTH_SHORT).show();
        }

        @Override
        protected void onDestroy() {
            super.onDestroy();
            Toast.makeText(getApplicationContext(),"onDestroy",Toast.LENGTH_SHORT).show();
        }
}
```

DESIGN: