Experiment 28

1.

```
AndroidMainfest.xml:
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
package="com.example.exp 28">
<application
android:allowBackup="true"
android:icon="@mipmap/ic launcher"
android:label="@string/app name"
android:roundIcon="@mipmap/ic launcher round"
android:supportsRtl="true"
android:theme="@style/Theme.Exp 28">
<activity android:name=".MainActivity">
<intent-filter>
<action android:name="android.intent.action.MAIN" />
<category android:name="android.intent.category.LAUNCHER" />
</intent-filter>
</activity>
<activity android:name=".MainActivity2"/>
</application>
</manifest>
strings xml:
<resources>
<string name="app name">Exp 28</string>
<string name="login">LOG IN</string>
<string name="login title">Log in to Snapchat</string>
<string name="login form username">Username</string>
<string name="login form password">Password</string>
<string name="welcome">Welcome to Snapchat</string>
</resources>
rounded login button.xml:
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
<item android:state pressed="false">
<shape android:shape="rectangle">
<stroke
android:color="@color/colorBlue"
android:width="1dp"/>
<solid
android:color="@color/colorBlue"/>
<corners android:radius="24dp" />
</shape>
</item>
```

```
<item android:state pressed="true">
<shape android:shape="rectangle">
<stroke
android:color="@color/colorBlueDark"
android:width="1dp"/>
<solid
android:color="@color/colorBlueDark"/>
<corners android:radius="24dp" />
</shape>
</item>
</selector>
activity main.xml:
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
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:orientation="vertical"
android:background="@color/colorPrimary"
tools:context=".MainActivity">
<ImageView
android:layout width="130dp"
android:layout height="130dp"
android:layout marginTop="70dp"
android:src="@drawable/snapchat"
android:layout centerHorizontal="true"/>
<LinearLayout
android:layout width="match parent"
android:layout height="wrap content"
android:orientation="vertical"
android:layout marginTop="150dp">
<androidx.cardview.widget.CardView
android:layout margin="64dp"
android:layout width="match parent"
android:layout height="wrap content"
app:cardElevation="8dp"
app:cardCornerRadius="15dp"
app:cardMaxElevation="12dp"
android:background="#fff">
<LinearLayout
android:layout width="match parent"
android:layout height="wrap content"
android:orientation="vertical"
android:padding="24dp">
```

```
<TextView
android:layout width="match parent"
android:layout height="wrap content"
android:layout gravity="center horizontal"
android:text="@string/login title"
android:textAlignment="center"
android:textColor="@color/colorBlack"
android:textSize="25sp"/>
<TextView
android:layout width="wrap content"
android:layout height="wrap content"
android:layout marginTop="30dp"
android:text="@string/login form username"
android:textSize="20sp" />
<EditText
android:id="@+id/e1"
android:layout width="match parent"
android:layout height="wrap content"
android:layout marginTop="10dp"
android:hint="Enter Usename"
android:inputType="text" />
<TextView
android:layout width="wrap content"
android:layout height="wrap content"
android:layout marginTop="10dp"
android:text="@string/login form password"
android:textSize="20sp"/>
<com.google.android.material.textfield.TextInputLayout</p>
android:layout width="match parent"
android:layout height="wrap content"
app:passwordToggleEnabled="true">
<EditText
android:id="@+id/e2"
android:layout width="match parent"
android:layout height="50dp"
android:hint="Enter Password"
android:inputType="textPassword" />
</com.google.android.material.textfield.TextInputLayout>
<Button
android:id="@+id/activity main loginButton"
android:layout width="200dp"
android:layout gravity="center"
android:layout height="wrap content"
android:onClick="login"
android:background="@drawable/rounded login button"
android:text="@string/login"
```

```
android:textColor="@color/colorWhite"
android:layout marginTop="20dp"
android:textSize="18sp"/>
</LinearLayout>
</androidx.cardview.widget.CardView>
</LinearLayout>
</RelativeLayout>
MainActivity.java:
package com.example.exp 28;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
private int count=0;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity main);
public void login(View view) {
TextView uid = (TextView)findViewById(R.id.e1);
TextView upass = (TextView)findViewById(R.id.e2);
if(TextUtils.isEmpty(uid.getText().toString()))
uid.setError("Enter UserName");
if(TextUtils.isEmpty(upass.getText().toString()))
upass.setError("Enter Password");
}
if
(TextUtils.isEmpty(uid.getText().toString())||TextUtils.isEmpty(upass.getText().to
String())) {
count+=1;
Toast.makeText(MainActivity.this, "Login Unsuccessful \n Attempt:
"+count,Toast.LENGTH SHORT).show();
else
Intent i1 = new Intent(MainActivity.this, MainActivity2.class);
i1.putExtra("id", uid.getText().toString());
```

```
startActivity(i1);
Toast.makeText(MainActivity.this, "Login Successful",
Toast.LENGTH_SHORT).show();
}
}
Output:
```

