

Experiment 28

1.

AndroidManifest.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    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:supportRtl="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"
  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 Username"
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
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:

