MainActivity.java

package com.learntodroid.androidloginform;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 private EditText usernameEditText;  
 private EditText passwordEditText;  
 private Button loginButton;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Log.*d*("Activity\_Lifecycle","onCreate invoked");  
 Toast.*makeText*(MainActivity.this,"Created",Toast.*LENGTH\_SHORT*).show();  
  
  
  
 usernameEditText = findViewById(R.id.*activity\_main\_usernameEditText*);  
 passwordEditText = findViewById(R.id.*activity\_main\_passwordEditText*);  
 loginButton = findViewById(R.id.*activity\_main\_loginButton*);  
  
 loginButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if (usernameEditText.getText().length() > 0 && passwordEditText.getText().length() > 0) {  
 String toastMessage = "Username: " + usernameEditText.getText().toString() + ", Password: " + passwordEditText.getText().toString();  
 Toast.*makeText*(getApplicationContext(), toastMessage, Toast.*LENGTH\_SHORT*).show();  
  
 } else {  
 String toastMessage = "Username or Password are not populated";  
 Toast.*makeText*(getApplicationContext(), toastMessage, Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
  
 }  
 protected void onStart() {  
 super.onStart();  
 Log.*d*("Activity\_Lifecycle", "onStart invoked");  
 Toast.*makeText*(MainActivity.this, "Start", Toast.*LENGTH\_SHORT*).show();  
 }  
 protected void onResume() {  
 super.onResume();  
 Log.*d*("Activity\_Lifecycle", "onResume invoked");  
 Toast.*makeText*(MainActivity.this, "Resume", Toast.*LENGTH\_SHORT*).show();  
 }  
 protected void onPause() {  
 super.onPause();  
 Log.*d*("Activity\_Lifecycle", "onPause invoked");  
 Toast.*makeText*(MainActivity.this, "Pause", Toast.*LENGTH\_SHORT*).show();  
 }  
 protected void onStop() {  
 super.onStop();  
 Log.*d*("Activity\_Lifecycle", "onStop invoked");  
 Toast.*makeText*(MainActivity.this, "Stop", Toast.*LENGTH\_SHORT*).show();  
 }  
 protected void onRestart() {  
 super.onRestart();  
 Log.*d*("Activity\_Lifecycle", "onRestart invoked");  
 Toast.*makeText*(MainActivity.this, "Restart", Toast.*LENGTH\_SHORT*).show();  
 }  
 protected void onDestroy() {  
 super.onDestroy();  
 Log.*d*("Activity\_Lifecycle","onDestroy invoked");  
 Toast.*makeText*(MainActivity.this,"Destroy",Toast.*LENGTH\_SHORT*).show();  
 }  
  
  
  
  
  
 public void homepage(View view) {  
 Intent intent =new Intent(MainActivity.this,home.class);  
 startActivity(intent);  
 }  
}

activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 xmlns:card\_view="http://schemas.android.com/apk/res-auto"  
 tools:context=".MainActivity"  
 android:orientation="vertical"  
 android:background="#070607">  
  
 <androidx.cardview.widget.CardView  
 android:layout\_margin="64dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 card\_view:cardCornerRadius="8dp"  
 card\_view:cardElevation="8dp"  
 android:background="#fff">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 android:padding="24dp">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="22sp"  
 android:text="@string/login\_form\_username" />  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="text"  
 android:id="@+id/activity\_main\_usernameEditText" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="22sp"  
 android:text="@string/login\_form\_password" />  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:id="@+id/activity\_main\_passwordEditText" />  
  
 <Button  
 android:id="@+id/activity\_main\_loginButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:scrollbarThumbHorizontal="@drawable/ic\_launcher\_background"  
 android:text="@string/login\_form\_login"  
 android:textColor="#BA3228"  
 android:textColorLink="#D34E4E"  
  
 android:background="#00ff00"  
 android:textSize="22sp" />  
  
 </LinearLayout>  
  
 </androidx.cardview.widget.CardView>  
  
 <Button  
 android:id="@+id/button5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Home"  
 android:onClick="homepage"/>  
  
  
</LinearLayout>

AndroidManifest.xml

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.learntodroid.androidloginform">  
  
 <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/AppTheme">  
 <activity  
 android:name=".DummyActivity"  
 android:exported="false" />  
 <activity  
 android:name=".ContactusActivity"  
 android:exported="false" />  
 <activity android:name=".SplashActivity">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 android:exported="false"/>  
 </activity>  
 <activity  
 android:name=".aboutus"  
 android:exported="false" />  
 <activity  
 android:name=".home"  
 android:exported="false" />  
 <activity  
 android:name=".gallery"  
 android:exported="false" />  
 <activity android:name=".MainActivity" />  
 </application>  
  
</manifest>

SCREENSHOTS:











