3.login signup

Filename:LOGIN\_PAGE

Activitymain.xml

<?*xml version*="1.0" *encoding*="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout *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">  
  
 <LinearLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="match\_parent"  
 *android:orientation*="vertical"  
 *tools:layout\_editor\_absoluteX*="43dp"  
 *tools:layout\_editor\_absoluteY*="163dp">  
  
 <TextView  
 *android:id*="@+id/textView2"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:background*="#03A9F4"  
 *android:gravity*="center"  
 *android:text*="SIGNUP ACTIVITY"  
 *android:textColor*="#B52323"  
 *android:textSize*="35sp" />  
  
 <LinearLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_marginTop*="20dp"  
 *android:orientation*="horizontal"  
 *android:paddingLeft*="10dp"  
 *android:paddingRight*="10dp">  
  
 <TextView  
 *android:id*="@+id/textView3"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="match\_parent"  
 *android:layout\_marginEnd*="20dp"  
 *android:layout\_marginRight*="20dp"  
 *android:layout\_weight*="1"  
 *android:background*="#F3958D"  
 *android:gravity*="center"  
 *android:text*="USERNAME"  
 *android:textSize*="20sp" />  
  
 <EditText  
 *android:id*="@+id/user"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="match\_parent"  
 *android:layout\_weight*="1"  
 *android:background*="#A377FA"  
 *android:ems*="10"  
 *android:inputType*="textPersonName"  
 *android:textSize*="18sp" />  
 </LinearLayout>  
  
 <LinearLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_marginTop*="20dp"  
 *android:orientation*="horizontal"  
 *android:paddingLeft*="10dp"  
 *android:paddingRight*="10dp">  
  
 <TextView  
 *android:id*="@+id/textView4"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="match\_parent"  
 *android:layout\_marginEnd*="20dp"  
 *android:layout\_marginRight*="20dp"  
 *android:layout\_weight*="1"  
 *android:background*="#F3958D"  
 *android:gravity*="center"  
 *android:text*="PASSWORD"  
 *android:textSize*="20sp" />  
  
 <EditText  
 *android:id*="@+id/pwd"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="match\_parent"  
 *android:layout\_weight*="1"  
 *android:background*="#AD91DD"  
 *android:ems*="10"  
 *android:inputType*="textPassword"  
 *android:textSize*="18sp" />  
 </LinearLayout>  
  
 <Button  
 *android:id*="@+id/signup"  
 *android:layout\_width*="116dp"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:layout\_marginTop*="20dp"  
 *android:text*="SIGNUP" />  
  
 </LinearLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Res.layout activity\_login.xml

<?*xml version*="1.0" *encoding*="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout *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*=".login">  
 <LinearLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="match\_parent"  
 *android:orientation*="vertical"  
 *tools:layout\_editor\_absoluteX*="43dp"  
 *tools:layout\_editor\_absoluteY*="163dp">  
  
 <TextView  
 *android:id*="@+id/textView2"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:background*="#03A9F4"  
 *android:gravity*="center"  
 *android:text*="LOGIN ACTIVITY"  
 *android:textColor*="#B52323"  
 *android:textSize*="45sp" />  
  
 <LinearLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_marginTop*="20dp"  
 *android:orientation*="horizontal"  
 *android:paddingLeft*="10dp"  
 *android:paddingRight*="10dp">  
  
 <TextView  
 *android:id*="@+id/textView3"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="match\_parent"  
 *android:layout\_marginEnd*="20dp"  
 *android:layout\_marginRight*="20dp"  
 *android:layout\_weight*="1"  
 *android:background*="#F3958D"  
 *android:gravity*="center"  
 *android:text*="USERNAME"  
 *android:textSize*="25sp" />  
  
 <EditText  
 *android:id*="@+id/signeduser"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="match\_parent"  
 *android:layout\_weight*="1"  
 *android:background*="#AD91DD"  
 *android:ems*="10"  
 *android:inputType*="textPersonName"  
 *android:textSize*="18sp" />  
 </LinearLayout>  
  
 <LinearLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_marginTop*="20dp"  
 *android:orientation*="horizontal"  
 *android:paddingLeft*="10dp"  
 *android:paddingRight*="10dp">  
  
 <TextView  
 *android:id*="@+id/textView4"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="match\_parent"  
 *android:layout\_marginEnd*="20dp"  
 *android:layout\_marginRight*="20dp"  
 *android:layout\_weight*="1"  
 *android:background*="#F3958D"  
 *android:gravity*="center"  
 *android:text*="PASSWORD"  
 *android:textSize*="25sp" />  
  
 <EditText  
 *android:id*="@+id/signedpassword"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="match\_parent"  
 *android:layout\_weight*="1"  
 *android:background*="#AD91DD"  
 *android:ems*="10"  
 *android:inputType*="textPassword"  
 *android:textSize*="18sp" />  
 </LinearLayout>  
  
 <Button  
 *android:id*="@+id/login"  
 *android:layout\_width*="116dp"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:layout\_marginTop*="20dp"  
 *android:text*="Login" />  
  
 </LinearLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

androidManifest.xml

<application>

<activity *android:name*=".login"  
 *android:parentActivityName*=".MainActivity"  
 ></activity>

</application>

Main activity.java

*package* com.example.login\_page;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.content.Context;  
*import* android.content.Intent;  
*import* android.graphics.Color;  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
*import* android.widget.Toast;  
  
*public class* MainActivity *extends* AppCompatActivity {  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Button SignUpButton = findViewById(R.id.*signup*);  
 SignUpButton.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View v) {  
 EditText SignUpUserText = findViewById(R.id.*user*);  
 EditText SignUpPasswordText = findViewById(R.id.*pwd*);  
 String SignupUserName = SignUpUserText.getText().toString();  
 String SignupPassword = SignUpPasswordText.getText().toString();  
 *if* (ValidatePassword(SignupPassword)) {  
 Toast.*makeText*(MainActivity.*this*, "SIGNUP SUCCESSFULL", Toast.*LENGTH\_SHORT*).show();  
 Intent intent = *new* Intent(getApplicationContext(), login.*class*);  
 intent.putExtra("username",SignupUserName);  
 intent.putExtra("password",SignupPassword);  
 startActivity(intent);  
 }  
 }  
 });  
  
 }  
  
 *private boolean* ValidatePassword(String passwd) {  
 *if* (passwd.length() < 8) {  
 Toast.*makeText*(*this*, "password must be more than 8 charecters in length.", Toast.*LENGTH\_SHORT*).show();  
 *return false*;  
 }  
 String upperCaseChars = "(.\*[A-Z].\*)";  
 *if* (!passwd.matches(upperCaseChars)) {  
 Toast.*makeText*(*this*, "password must have one uppercase charecter", Toast.*LENGTH\_SHORT*).show();  
 *return false*;  
 }  
 String lowerCaseChars = "(.\*[a-z].\*)";  
 *if* (!passwd.matches(lowerCaseChars)) {  
 Toast.*makeText*(*this*, "password must have one lowercase charecter", Toast.*LENGTH\_SHORT*).show();  
 *return false*;  
 }  
 String numbers = "(.\*[0-9].\*)";  
 *if* (!passwd.matches(numbers)) {  
 Toast.*makeText*(*this*, "password must have one number", Toast.*LENGTH\_SHORT*).show();  
 *return false*;  
 }  
 String specialChars = "(.\*[@,$,#,%].\*$)";  
 *if* (!passwd.matches(specialChars)) {  
 Toast.*makeText*(*this*, "password must have one special charecter", Toast.*LENGTH\_SHORT*).show();  
 *return false*;  
 }  
 *return true*;  
 }  
  
}

java new.javaclass

login.java

*package* com.example.login\_page;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
*import* android.widget.Toast;  
  
*public class* login *extends* AppCompatActivity {  
 *private* EditText signedUSER,signedpassword;  
 *private* Button submit;  
 *private* String user,pwd;  
 *private static int counter*=0;  
 *private* String loginusername,loginpwd;  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_login*);  
 signedUSER=findViewById(R.id.*signeduser*);  
 signedpassword=findViewById(R.id.*signedpassword*);  
 submit=findViewById(R.id.*login*);  
  
  
  
 submit.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View v) {  
 Bundle bundle=getIntent().getExtras();  
 user=bundle.getString("username");  
 pwd=bundle.getString("password");  
 loginusername=signedUSER.getText().toString().trim();  
 loginpwd=signedpassword.getText().toString().trim();  
 *if*(loginusername.equals(user)&&loginpwd.equals(pwd)){  
 Toast.*makeText*(login.*this*, "Login is Successful", Toast.*LENGTH\_SHORT*).show();  
 }  
 *else*{  
 *counter*++;  
 *if*(*counter*==1){  
 Toast.*makeText*(login.*this*, "Login Failed!You have 1 attempt left!", Toast.*LENGTH\_SHORT*).show();  
 }  
 *else*{  
 Toast.*makeText*(login.*this*, "Login Attempts exceeded", Toast.*LENGTH\_SHORT*).show();  
 submit.setEnabled(*false*);  
 }  
 }  
 }  
 });  
 }  
}