package com.shruti.lofo;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import com.google.firebase.auth.FirebaseAuth;  
  
public class Login extends AppCompatActivity {  
 EditText loginEmail, loginPassword;  
 Button loginButton;  
 TextView signupRedirectText;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_login*);  
 loginEmail = findViewById(R.id.*login\_email*);  
 loginPassword = findViewById(R.id.*login\_password*);  
 loginButton = findViewById(R.id.*login\_button*);  
 signupRedirectText = findViewById(R.id.*signupRedirectText*);  
  
 // Check if the user is already logged in  
 SharedPreferences sharedPreferences = getSharedPreferences("loginPrefs", *MODE\_PRIVATE*);  
 boolean isLoggedIn = sharedPreferences.getBoolean("isLoggedIn", false);  
  
 if (isLoggedIn) {  
 // User is already logged in, navigate to the main activity  
 Intent intent = new Intent(this, BindingNavigation.class);  
 startActivity(intent);  
 finish();  
 }  
 loginButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if (!validateEmail() | !validatePassword()) {  
 Toast.*makeText*(Login.this, "Enter data in all fields", Toast.*LENGTH\_SHORT*).show();  
 } else {  
 checkUser();  
 }  
 }  
 });  
 signupRedirectText.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent intent = new Intent(Login.this, Register.class);  
 startActivity(intent);  
 }  
 });  
 }  
 public Boolean validateEmail() {  
 String val = loginEmail.getText().toString();  
 if (val.isEmpty()) {  
 loginEmail.setError("Email cannot be empty");  
 return false;  
 } else {  
 loginEmail.setError(null);  
 return true;  
 }  
 }  
 public Boolean validatePassword(){  
 String val = loginPassword.getText().toString();  
 if (val.isEmpty()) {  
 loginPassword.setError("Password cannot be empty");  
 return false;  
 } else {  
 loginPassword.setError(null);  
 return true;  
 }  
 }  
  
 public void checkUser() {  
 String userEmail = loginEmail.getText().toString().trim();  
 String userPassword = loginPassword.getText().toString().trim();  
  
 FirebaseAuth mAuth = FirebaseAuth.*getInstance*();  
 mAuth.signInWithEmailAndPassword(userEmail, userPassword)  
 .addOnCompleteListener(Login.this, task -> {  
 if (task.isSuccessful()) {  
 Toast.*makeText*(Login.this, "Login Successfully!", Toast.*LENGTH\_SHORT*).show();  
  
 // Update the shared preferences to indicate that the user is now logged in  
 SharedPreferences sharedPreferences = getSharedPreferences("loginPrefs", *MODE\_PRIVATE*);  
 SharedPreferences.Editor editor = sharedPreferences.edit();  
 editor.putBoolean("isLoggedIn", true);  
 editor.apply();  
  
 Intent intent = new Intent(Login.this, BindingNavigation.class);  
 startActivity(intent);  
 } else {  
 Toast.*makeText*(Login.this, "Authentication failed.", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}