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package com.example.projectapps;

import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.FirebaseException;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebase.auth.PhoneAuthCredential;
import com.google.firebase.auth.PhoneAuthProvider;

import java.util.concurrent.TimeUnit;

public class MainActivity extends AppCompatActivity {

    EditText username,phoneNumber,code;
    FirebaseAuth mAuth;
    String Code;
    FirebaseUser firebaseUser;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        username=findViewById(R.id.username);
        phoneNumber=findViewById(R.id.phoneno);
        code=findViewById(R.id.code);
        mAuth=FirebaseAuth.getInstance();

        ActionBar actionBar=getSupportActionBar();
        actionBar.setTitle("Sign In");
    }

    @Override
    protected void onStart() {
        super.onStart();

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        firebaseUser=mAuth.getCurrentUser();
        if(firebaseUser!=null){
            startActivity(new Intent(MainActivity.this,Main2Activity.class));
        }
    }

    public void OTP(View view){

        otpVerification();
    }

    private void otpVerification() {
        PhoneAuthProvider.getInstance().verifyPhoneNumber(phoneNumber.getText().toString(),60,TimeUnit.SECONDS,
        this,mCallbacks);
    }

    PhoneAuthProvider.OnVerificationStateChangedCallbacks mCallbacks=new PhoneAuthProvider.OnVerification
    tateChangedCallbacks() {
        @Override
        public void onVerificationCompleted(PhoneAuthCredential phoneAuthCredential) {

        }

        @Override
        public void onVerificationFailed(FirebaseException e) {

        }

        @Override
        public void onCodeSent(String s, PhoneAuthProvider.ForceResendingToken forceResendingToken) {
            super.onCodeSent(s, forceResendingToken);
            Code=s;
        }
    };

    public void signIn(View view){

        SignInVerification();
    }

    private void SignInVerification() {
        PhoneAuthCredential credential=PhoneAuthProvider.getCredential(Code,code.getText().toString());
        signInCredential(credential);
    }

    private void signInCredential(PhoneAuthCredential credential){
        mAuth.signInWithCredential(credential)
            .addOnCompleteListener(new OnCompleteListener<AuthResult>() {
                @Override
                public void onComplete(@NonNull Task<AuthResult> task) {

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        if(task.isSuccessful()){
            Toast.makeText(MainActivity.this, "Welcome " + username.getText().toString(), Toast.LENGTH_
HORT).show();
            Intent intent=new Intent(getApplicationContext(),Main2Activity.class);
            startActivity(intent);
        }
        else{
            Toast.makeText(MainActivity.this, "Unsuccessful", Toast.LENGTH_SHORT).show();
        }
    }
});
}
}
```