package com.appdroid.tourstravelsproject.User;  
  
import androidx.annotation.NonNull;  
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.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
import com.appdroid.tourstravelsproject.Admin.AddPackage;  
import com.appdroid.tourstravelsproject.Admin.Dashboard;  
import com.appdroid.tourstravelsproject.Holder.UserInfo;  
import com.appdroid.tourstravelsproject.R;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.OnFailureListener;  
import com.google.android.gms.tasks.OnSuccessListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.Timestamp;  
import com.google.firebase.auth.AuthResult;  
import com.google.firebase.auth.FirebaseAuth;  
import com.google.firebase.auth.FirebaseAuthInvalidCredentialsException;  
import com.google.firebase.auth.FirebaseUser;  
import com.google.firebase.auth.PhoneAuthCredential;  
import com.google.firebase.auth.PhoneAuthProvider;  
import com.google.firebase.firestore.DocumentReference;  
import com.google.firebase.firestore.FirebaseFirestore;  
  
import java.util.Date;  
import java.util.HashMap;  
  
public class VerifyOTP extends AppCompatActivity {  
  
 EditText otp;  
 Button login;  
 String otpNumber;  
 UserInfo userInfo;  
 FirebaseAuth mAuth = FirebaseAuth.*getInstance*();  
 FirebaseFirestore db = FirebaseFirestore.*getInstance*();  
 private String verificationId;  
  
 ProgressDialog progressDialog;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_verify\_otp*);  
  
 progressDialog = new ProgressDialog(VerifyOTP.this);  
 progressDialog.setCanceledOnTouchOutside(false );  
  
 otp = findViewById(R.id.*otp*);  
 login = findViewById(R.id.*login*);  
 verificationId = getIntent().getStringExtra("code");  
  
 userInfo = (UserInfo) getIntent().getSerializableExtra("userInfo");  
  
 login.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 otpNumber = otp.getText().toString();  
 if(otpNumber.isEmpty()){  
 Toast.*makeText*(VerifyOTP.this, "Please enter OTP.", Toast.*LENGTH\_SHORT*).show();  
 otp.requestFocus();  
 }else{  
 codeVerification();  
 }  
 }  
 });  
 }  
  
 private void codeVerification() {  
 String code = otp.getText().toString();  
 PhoneAuthCredential credential = PhoneAuthProvider.*getCredential*(verificationId, code);  
  
 progressDialog.show();  
 signInWithPhoneAuthCredential(credential);  
 }  
  
 private void signInWithPhoneAuthCredential(PhoneAuthCredential credential) {  
 mAuth.signInWithCredential(credential)  
 .addOnCompleteListener(this, new OnCompleteListener<AuthResult>() {  
 @Override  
 public void onComplete(@NonNull Task<AuthResult> task) {  
 if (task.isSuccessful()) {  
  
 *// Sign in success, update UI with the signed-in user's information* HashMap<String,Object> data = new HashMap<>();  
 data.put("name",userInfo.getName());  
 data.put("emailId",userInfo.getEmailId());  
 data.put("mobileNo",userInfo.getMobileNo());  
 data.put("userId",mAuth.getCurrentUser().getUid());  
 data.put("date",new Timestamp(new Date()));  
  
 db.collection("UserInfo").add(data).addOnSuccessListener(new OnSuccessListener<DocumentReference>() {  
 @Override  
 public void onSuccess(DocumentReference documentReference) {  
 Intent i = new Intent(VerifyOTP.this, UserDashboard.class);  
 i.setFlags(Intent.*FLAG\_ACTIVITY\_CLEAR\_TOP*);  
 startActivity(i);  
 finish();  
 progressDialog.dismiss();  
 }  
 }).addOnFailureListener(new OnFailureListener() {  
 @Override  
 public void onFailure(@NonNull Exception e) {  
 progressDialog.dismiss();  
 Toast.*makeText*(getApplicationContext(), "Upload Failed. ", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
 Toast.*makeText*(VerifyOTP.this, "Login Success", Toast.*LENGTH\_SHORT*).show();  
 *// Update UI* } else {  
 *// Sign in failed, display a message and update the UI* Log.*w*("TAG", "signInWithCredential:failure", task.getException());  
 Toast.*makeText*(VerifyOTP.this, "Login Success", Toast.*LENGTH\_SHORT*).show();  
 if (task.getException() instanceof FirebaseAuthInvalidCredentialsException) {  
 *// The verification code entered was invalid* }  
 }  
 }  
 });  
 }  
  
 @Override  
 public void onStart() {  
 super.onStart();  
 *// Check if user is signed in (non-null) and update UI accordingly.* FirebaseUser currentUser = mAuth.getCurrentUser();  
 if(currentUser != null){  
 startActivity(new Intent(getApplicationContext(), UserDashboard.class));  
 finish();  
 }  
 }  
  
}