**package** hora.justinsebastian.example.com.hora\_bus;  
  
**import** android.Manifest;  
**import** android.content.Context;  
**import** android.content.Intent;  
**import** android.content.pm.PackageManager;  
**import** android.location.Location;  
**import** android.location.LocationListener;  
**import** android.location.LocationManager;  
**import** android.os.IBinder;  
**import** android.support.v4.content.ContextCompat;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.CompoundButton;  
**import** android.widget.Switch;  
**import** android.widget.Toast;  
  
**import** com.google.firebase.auth.FirebaseAuth;  
**import** com.google.firebase.auth.FirebaseUser;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
  
**public class** ProfileActivity **extends** AppCompatActivity **implements** View.OnClickListener,LocationListener {  
 **private** FirebaseAuth **mAuth**;  
 **private** Button **logout**,**location1**;  
 **private** Switch **online**;  
 *//LocationManager locationManager;* Context **context**;  
 **boolean isGPSEnabled** = **false**;  
 **boolean isNetworkEnabled** = **false**;  
 **boolean canGetLocation** = **false**;  
  
 Location **location**;  
 **protected** LocationManager **locationManager**;  
 LocationManager **manager**;  
  
  
 **public** ProfileActivity(Context context) {  
 **this**.**context** = context;  
 }  
 **public** ProfileActivity(){}  
  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 *//manager = (LocationManager) getSystemService(Context.LOCATION\_SERVICE);* **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_profile***);  
 **mAuth** = FirebaseAuth.*getInstance*();  
 **logout** = findViewById(R.id.***logout***);  
 **logout**.setOnClickListener(**this**);  
 *// location1 = findViewById(R.id.location1);  
 // location1.setOnClickListener(this);* **online** = findViewById(R.id.***switch1***);  
 **online**.setOnClickListener(**this**);  
 **online**.setOnCheckedChangeListener(**new** CompoundButton.OnCheckedChangeListener() {  
 **public void** onCheckedChanged(CompoundButton buttonView, **boolean** isChecked) {  
 *// do something, the isChecked will be  
 // true if the switch is in the On position* **try** {  
*// Toast.makeText(ProfileActivity.this,"Test0",Toast.LENGTH\_LONG).show();* **locationManager** = (LocationManager) getSystemService(***LOCATION\_SERVICE***);  
 *// Toast.makeText(ProfileActivity.this,"Test1",Toast.LENGTH\_LONG).show();* **isGPSEnabled** = **locationManager**.isProviderEnabled(**locationManager**.***GPS\_PROVIDER***);  
*// Toast.makeText(ProfileActivity.this,"Test2",Toast.LENGTH\_LONG).show();* **isNetworkEnabled** = **locationManager**.isProviderEnabled(**locationManager**.***NETWORK\_PROVIDER***);  
  
 *//Toast.makeText(ProfileActivity.this,"Test3",Toast.LENGTH\_LONG).show();* **if** (ContextCompat.*checkSelfPermission*(ProfileActivity.**this**, android.Manifest.permission.***ACCESS\_FINE\_LOCATION***) == PackageManager.***PERMISSION\_GRANTED*** || ContextCompat.*checkSelfPermission*(ProfileActivity.**this**, android.Manifest.permission.***ACCESS\_COARSE\_LOCATION***) == PackageManager.***PERMISSION\_GRANTED***) {  
 *//Toast.makeText(ProfileActivity.this,"Test4",Toast.LENGTH\_LONG).show();* **if** (**isGPSEnabled**) {  
 **if** (**location** == **null**) {  
 *// Toast.makeText(ProfileActivity.this,"Test5",Toast.LENGTH\_LONG).show();* **locationManager**.requestLocationUpdates(LocationManager.***GPS\_PROVIDER***, 10000, 10, (LocationListener) ProfileActivity.**this**);  
 *// Toast.makeText(ProfileActivity.this,"Test6",Toast.LENGTH\_LONG).show();* **if** (**locationManager** != **null**) {  
 *// Toast.makeText(ProfileActivity.this,"Test7",Toast.LENGTH\_LONG).show();* **location** = **locationManager**.getLastKnownLocation(LocationManager.***GPS\_PROVIDER***);  
 *// Toast.makeText(ProfileActivity.this,"Test8",Toast.LENGTH\_LONG).show();* System.***out***.println(**"location null reached 57"**);  
 }  
 }  
 }  
 *// if lcoation is not found from GPS than it will found from network //* **if** (**location** == **null**) {  
 **if** (**isNetworkEnabled**) {  
  
 **locationManager**.requestLocationUpdates(LocationManager.***NETWORK\_PROVIDER***, 10000, 10, (LocationListener) ProfileActivity.**this**);  
 **if** (**locationManager** != **null**) {  
 *// Toast.makeText(ProfileActivity.this,"Test",Toast.LENGTH\_LONG).show();* **location** = **locationManager**.getLastKnownLocation(LocationManager.***NETWORK\_PROVIDER***);  
 }  
  
 }  
 }  
  
 }  
  
 } **catch** (Exception ex) {  
 Toast.*makeText*(ProfileActivity.**this**,**"Test Fail"**,Toast.***LENGTH\_LONG***).show();  
  
 }  
 **if** (**location** == **null**) {  
 Toast.*makeText*(ProfileActivity.**this**,**"Loc Fail"**,Toast.***LENGTH\_LONG***).show();  
  
 }  
  
 FirebaseDatabase database = FirebaseDatabase.*getInstance*();  
 *// DatabaseReference myRef = database.getReference("message");  
  
 //myRef.setValue("Hello, World!");* FirebaseUser currentFirebaseUser = FirebaseAuth.*getInstance*().getCurrentUser();  
 Toast.*makeText*(getApplicationContext(), **""** + currentFirebaseUser.getUid(), Toast.***LENGTH\_SHORT***).show();  
  
 *// Log.i("test","hello");* DatabaseReference mDatabase = FirebaseDatabase.*getInstance*().getReference();  
 mDatabase.child(**"location"**).child(currentFirebaseUser.getUid()).child(**"lattitude"**).setValue(**location**.getLatitude());  
 mDatabase.child(**"location"**).child(currentFirebaseUser.getUid()).child(**"longitude"**).setValue(**location**.getLongitude());  
  
 }  
 });  
 }  
 **public void** onLocationChanged(Location location) {  
  
 }  
  
 **public void** onStatusChanged(String Provider, **int** status, Bundle extras) {  
  
 }  
  
 **public void** onProviderEnabled(String Provider) {  
  
 }  
  
 **public void** onProviderDisabled(String Provider) {  
  
 }  
  
 **public** IBinder onBind(Intent arg0) {  
 **return null**;  
 }  
  
  
  
  
  
 **public void** userlogout(View view) {  
  
 **mAuth**.signOut();  
 startActivity(**new** Intent(getApplicationContext(), LoginActivity.**class**));  
 }  
 @Override  
 **public void** onClick(View view){  
  
 **if**(view == **logout**) {  
 userlogout(view);  
 }  
 **if**(view==**location1**)  
 {  
  
 }  
 }  
  
}