class LoginActivity : AppCompatActivity() {  
  
 private val binding by *lazy* **{** ActivityLoginBinding.inflate(*layoutInflater*) **}** // Iniciar o serviço do Google  
 private lateinit var googleLoginCliente: GoogleSignInClient  
 private lateinit var auth: FirebaseAuth  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 *enableEdgeToEdge*()  
 setContentView(binding.*root*)  
 ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.*main*)) **{** v, insets **->** val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())  
 v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)  
 insets  
 **}** // Inicializar Firebase Auth  
 auth = FirebaseAuth.getInstance()  
  
 val gso = GoogleSignInOptions.Builder(GoogleSignInOptions.*DEFAULT\_SIGN\_IN*)  
 .requestIdToken(getString(R.string.*default\_web\_client\_id*))  
 .requestEmail()  
 .build()  
  
 googleLoginCliente = GoogleSignIn.getClient(this, gso)  
  
 *with*(binding) **{** btnEntrar.setOnClickListener **{  
  
 }** btnEntrarComGoogle.setOnClickListener **{** acessarUsandoGoogle()  
 **}  
 }** }  
  
 private fun acessarUsandoGoogle() {  
  
 val signInIntent = googleLoginCliente.*signInIntent* launcher.launch(signInIntent)  
 }  
  
 private val launcher =  
 registerForActivityResult(ActivityResultContracts.StartActivityForResult())  
 **{** result **->** if (result.resultCode == Activity.*RESULT\_OK*) {  
 val task = GoogleSignIn.getSignedInAccountFromIntent(result.data)  
 handleResults(task)  
 }  
 **}** private fun handleResults(task: Task<GoogleSignInAccount>) {  
 if (task.*isSuccessful*) {  
 val account: GoogleSignInAccount? = task.*result* if (account != null) {  
 updateUII(account)  
 }  
 } else {  
 Toast.makeText(this, "Acesso falhou, tente novamente mais tarde!", Toast.*LENGTH\_SHORT*)  
 .show()  
 }  
  
 }  
  
 private fun updateUII(account: GoogleSignInAccount) {  
 val credencial = GoogleAuthProvider.getCredential(account.*idToken*, null)  
 auth.signInWithCredential(credencial).addOnCompleteListener **{** if (**it**.*isSuccessful*) {  
 startActivity(  
 Intent(this, MapsActivity::class.*java*)  
 )  
 //finish() // Fechar a tela de login  
 } else {  
 Toast.makeText(this, "Login falhou!", Toast.*LENGTH\_SHORT*).show()  
 }  
 **}** }  
}

Atenção precisamos adicionar o SHA-1

Também precisamos da credencial que pegamos em

<https://console.cloud.google.com/apis/credentials?inv=1&invt=AbqzGg&project=alta-pressao-gnv-4b961>

E adicionamos em strings.xml

<string name="default\_web\_client\_id">637598423111-jmohjf9hbcjj6rial4v5t7ij97h6vkge.apps.googleusercontent.com</string>

Precisamos também da acesso a internet

<uses-permission android:name="android.permission.INTERNET"></uses-permission>