# Adicionando Firebase ao Projeto

Atençao na implementação do firebase a versão que esta la no site não esta funcionando, usamos a versão

// BOM  
*implementation*(platform("com.google.firebase:firebase-bom:32.7.2"))  
  
// Analytics  
*implementation*("com.google.firebase:firebase-analytics")  
  
// Cloud Firestor  
*implementation*("com.google.firebase:firebase-firestore")  
  
// Firebase Auth  
*implementation*("com.google.firebase:firebase-auth")

# Cores usadas

## Cores

<?xml version="1.0" encoding="utf-8"?>  
<resources>  
 <color name="black">#FF000000</color>  
 <color name="white">#FFFFFFFF</color>  
 <color name="azulBotoes">#3F51B5FF</color>  
 <color name="verdeBotoes">#135D16</color>  
</resources>

## Gradiente

<?xml version="1.0" encoding="utf-8"?>  
<shape xmlns:android="http://schemas.android.com/apk/res/android">  
  
 <gradient  
 android:startColor="#000000"  
 android:endColor="#2A2A2A"  
 android:angle="90"  
 android:type="linear" />  
  
</shape>

# Strings usadas

<resources>  
 <string name="app\_name">Alta Pressao GNV PRO</string>  
 <string name="textoEntrada">Faça seu login.</string>  
 <string name="btnEntrar">Entrar</string>  
 <string name="btnCadastrar">Criar nova conta!</string>  
 <string name="btnEsqueciSenha">Esqueci minha senha!</string>  
 <string name="CampoDigiteEmail">E-mail</string>  
 <string name="CampoDigiteSenha">Senha</string>  
  
  
</resources>

# Layout usado

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/background\_gradient\_fundo"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="200dp"  
 android:layout\_marginEnd="8dp"  
 android:fontFamily="sans-serif-condensed-medium"  
 android:text="@string/textoEntrada"  
 android:textColor="@color/white"  
 android:textSize="48sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <com.google.android.material.textfield.TextInputLayout  
 android:id="@+id/textInputLayout"  
 android:layout\_width="300dp"  
 android:layout\_height="57dp"  
 android:layout\_marginTop="24dp"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView2"  
 app:layout\_constraintStart\_toStartOf="@+id/textView2"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2"  
 app:startIconDrawable="@drawable/ic\_email\_24">  
  
 <com.google.android.material.textfield.TextInputEditText  
 android:id="@+id/textInputEmail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="@string/CampoDigiteEmail"  
 android:textColor="@color/white" />  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <com.google.android.material.textfield.TextInputLayout  
 android:id="@+id/textInputLayout2"  
 android:layout\_width="300dp"  
 android:layout\_height="57dp"  
 android:layout\_marginTop="16dp"  
 app:layout\_constraintEnd\_toEndOf="@+id/textInputLayout"  
 app:layout\_constraintStart\_toStartOf="@+id/textInputLayout"  
 app:layout\_constraintTop\_toBottomOf="@+id/textInputLayout"  
 app:startIconDrawable="@drawable/ic\_password\_24">  
  
 <com.google.android.material.textfield.TextInputEditText  
 android:id="@+id/textInputSenha"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="@string/CampoDigiteSenha" />  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <Button  
 android:id="@+id/btnEntrar"  
 android:layout\_width="300dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="32dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="32dp"  
 android:backgroundTint="@color/azulBotoes"  
 android:fontFamily="sans-serif-condensed-medium"  
 android:hint="@string/btnEntrar"  
 android:text="@string/btnEntrar"  
 android:textColor="@color/white"  
 android:textSize="16sp"  
 app:cornerRadius="8dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/btnEsqueciSenha" />  
  
 <Button  
 android:id="@+id/btnCadastrar"  
 android:layout\_width="300dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="8dp"  
 android:backgroundTint="@color/verdeBotoes"  
 android:fontFamily="sans-serif-condensed-medium"  
 android:hint="@string/btnCadastrar"  
 android:text="Criar nova conta"  
 android:textColor="@color/white"  
 android:textSize="16sp"  
 app:cornerRadius="8dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/btnEntrar" />  
  
 <Button  
 android:id="@+id/btnEsqueciSenha"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="8dp"  
 android:backgroundTint="@android:color/transparent"  
 android:fontFamily="sans-serif-condensed-medium"  
 android:hint="@string/btnEsqueciSenha"  
 android:text="Esqueci minha senha!"  
 android:textColor="@color/white"  
 android:textStyle="italic"  
 app:cornerRadius="4dp"  
 app:layout\_constraintEnd\_toEndOf="@+id/textInputLayout2"  
 app:layout\_constraintTop\_toBottomOf="@+id/textInputLayout2" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

# Logando usuário pelo email e senha e btnDeslogar.

## Logando usuário pelo login e senha

Vamos precisar capturar os dados que o usuário esta digitando.

*with*(binding) **{** btnEntrar.setOnClickListener **{** val email = textInputEmail.*text*.*toString*()  
 val senha = textInputSenha.*text*.*toString*()  
 logandoUsuarioComLoginESenha(email, senha)  
  
 **}**

enviando os dados para o método verificar

private fun logandoUsuarioComLoginESenha(email: String, senha: String) {  
 autenticacao.signInWithEmailAndPassword(email,senha)  
 .addOnSuccessListener **{** task **->** exibirMensagem("Entrada confirmada!")  
 startActivity(Intent(this, MapsActivity::class.*java*))  
  
 **}** .addOnFailureListener **{** exception **->** val mensagemErro = exception.message  
 exibirMensagem("$mensagemErro")  
 **}**}