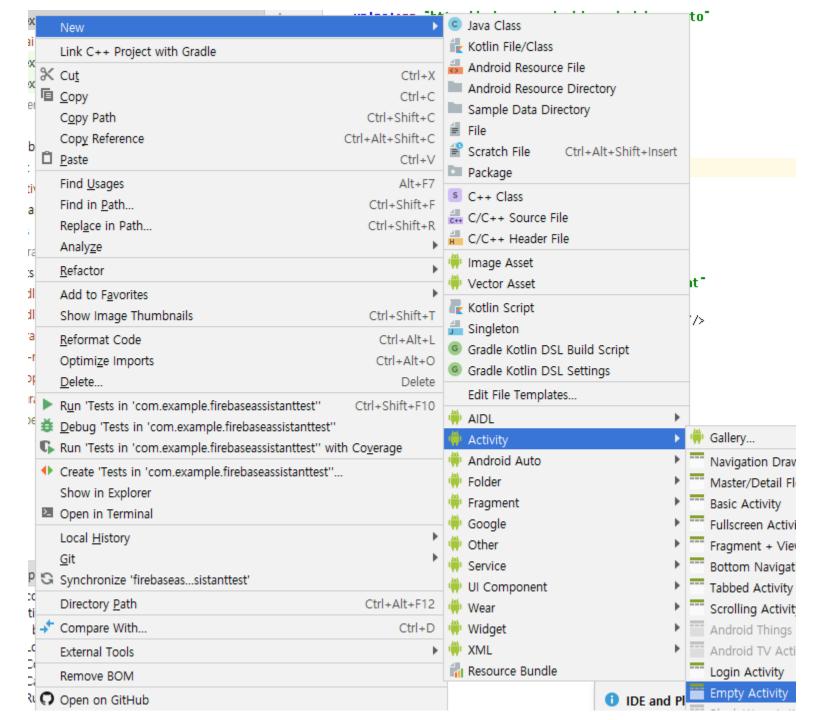
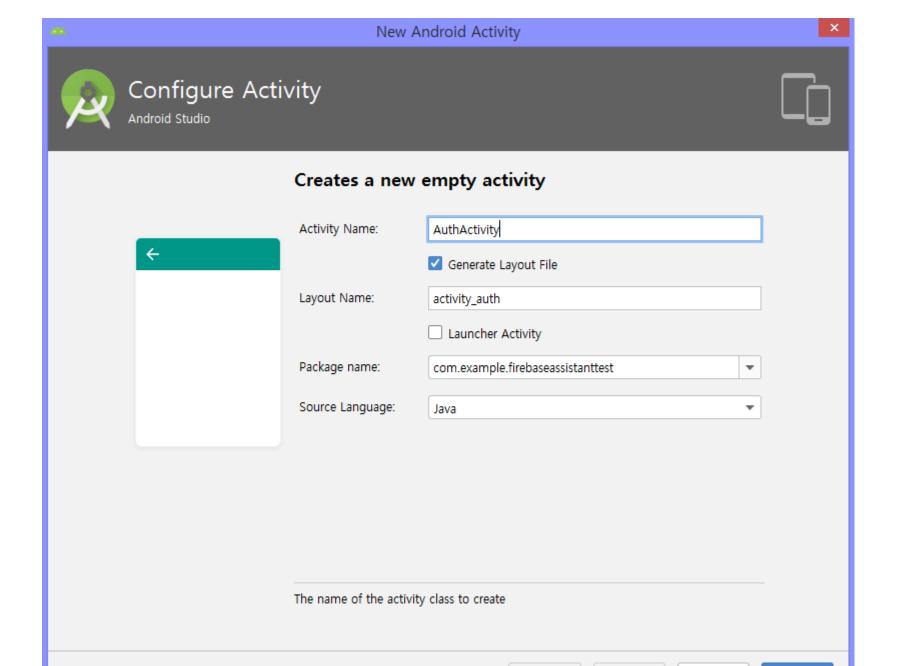
Firebase Authentication App

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```
activity_main.xml ×
                                                     gradle.properties
                      MainActivity.java ×

    app ×
        <?xml version="1.0" encoding="utf-8"?>
        <androidx.constraintlayout.widget.ConstraintLayout</p>
 2
            xmlns:android="http://schemas.android.com/apk/res/android"
 3
            xmlns:app="http://schemas.android.com/apk/res-auto"
            xmins:tools="http://schemas.android.com/tools"
 5
            android: layout_width="match_parent"
 6
            android: layout_height="match_parent"
            tools:context=".MainActivity">
 8
 9
            <TextView
10
                android:id="@+id/firebaseAuthBtn"
11
                android: layout_width="wrap_content"
12
                android: layout_height="wrap_content"
13
                android:text="Authentication Test"
14
                android:textSize="30sp"
15
                android: layout_margin="10dp"
16
                app:layout_constraintTop_toTopOf="parent"
17
                app:layout_constraintBottom_toBottomOf="parent"
18
                app: layout_constraintLeft_toLeftOf="parent"
19
                app: layout_constraintRight_toRightOf = "parent"/>
20
21
        |</androidx.constraintlayout.widget.ConstraintLayout>
22
```





Previous

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Cancel

Finish

```
C AuthActivity.java ×
 activity_main.xml >
                      activity_auth.xml ×
                                                                MainActivi
         <?xml version="1.0" encoding="utf-8"?>
         <androidx.constraintlayout.widget.ConstraintLayout</p>
 2
            xmlns:android="http://schemas.android.com/apk/res/android"
 3
            xmlns:app="http://schemas.android.com/apk/res-auto"
            xmlns:tools="http://schemas.android.com/tools"
 5
            android: layout_width="match_parent"
 6
            android: layout_height="match_parent"
            tools:context=".AuthActivity">
 8
 9
            <ImageView</pre>
10
                android:id="@+id/topimg"
11
                android: layout_width="120dp"
12
                android: layout_height="120dp"
13
                android: layout_marginTop="20dp"
14
                android:src="@mipmap/ic_launcher"
15
                app:layout_constraintTop_toTopOf="parent"
16
                app: layout_constraintLeft_toLeftOf="parent"
17
                app:layout_constraintRight_toRightOf="parent"/>
18
19
```

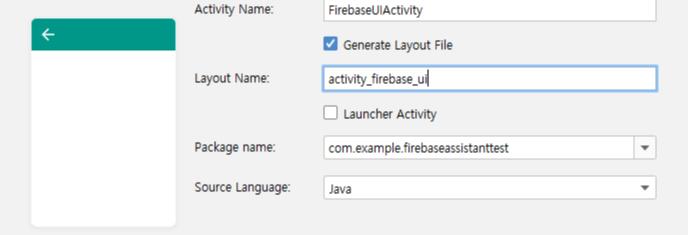
```
19
            <TextView
20
                android:id="0+id/titletxt"
21
                android: layout_width="wrap_content"
22
                android: layout_height="wrap_content"
23
                android: layout_marginTop="10dp"
24
                android:textStyle="bold"
25
               android: layout_gravity="center_horizontal"
26
                android:text="Firebase Authentication"
27
               android:textSize="30sp"
28
               app:layout_constraintTop_toBottomOf="@id/topimg"
29
               app: layout_constraintLeft_toLeftOf="parent"
30
                app:layout_constraintRight_toRightOf="parent"/>
31
32
33
            <Button
                android:id="@+id/firebaseui"
34
               android: layout_width="match_parent"
35
               android: layout_height="wrap_content"
36
               android: layout_margin="10dp"
37
               android:text="Auth Solution"
38
               android:textSize="30sp"
39
               app:layout_constraintTop_toBottomOf="@id/titletxt"
40
               app: layout_constraintLeft_toLeftOf="parent"
41
               app:layout_constraintRight_toRightOf="parent"/>
42
43
        |</androidx.constraintlayout.widget.ConstraintLayout>
44
```







Creates a new empty activity



The name of the layout to create for the activity

Activity Name must be unique

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```
activity_auth.xml ×
                     activity_firebase_ui.xml ×

    FirebaseUIActivity.java

        <?xml version="1.0" encoding="utf-8"?>
2 C
         <androidx.constraintlayout.widget.ConstraintLayout</p>
            xmlns:android="http://schemas.android.com/apk/res/android"
3
            xmlns:app="http://schemas.android.com/apk/res-auto"
 4
            xmlns:tools="http://schemas.android.com/tools"
5
            android: layout_width="match_parent"
6
            android: layout_height="match_parent"
            tools:context=".FirebaseUlActivity">
8
9
            <ImageView</pre>
10
                android:id="@+id/toping"
11
                android: layout_width="120dp"
                android: layout_height="120dp"
13
                android: layout_marginTop="20dp"
14
                android:src="@mipmap/ic_launcher"
15
                app:layout_constraintTop_toTopOf="parent"
16
                app: layout_constraintLeft_toLeftOf="parent"
17
                app:layout_constraintRight_toRightOf="parent"/>
18
19
            <TextView
                android:id="0+id/titletxt"
21
                android: layout_width="wrap_content"
                android: layout_height="wrap_content"
                android: layout_marginTop="10dp"
24
                android:textStyle="bold"
                android: layout_gravity="center_horizontal"
26
                android:text="Firebase Authentication"
                android:textSize="30sp"
                app:layout_constraintTop_toBottomOf="@id/topimg"
                app: layout_constraintLeft_toLeftOf="parent"
30
                app: layout_constraintRight_toRightOf="parent"/>
32
```

```
52
            <Button
33
34
                android:id="@+id/firebaseuiauthbtn"
                android: layout_width="match_parent"
35
                android: layout_height="wrap_content"
36
                android: layout_margin="10dp"
37
                android:text="Authentication"
38
                android:textSize="30sp"
                app:layout_constraintTop_toBottomOf="@id/titletxt"
40
                app: layout_constraintLeft_toLeftOf="parent"
41
                app:layout_constraintRight_toRightOf="parent"/>
42
43
44
            <androidx.constraintlayout.widget.ConstraintLayout</p>
                android:id="@+id/firebaseuilayout"
45
                android: layout_width="match_parent"
46
                android: layout_height="wrap_content"
47
                app:layout_constraintTop_toBottomOf="@id/firebaseuiauthbtn"
48
                app: layout_constraintLeft_toLeftOf="parent"
49
                app: layout_constraintRight_toRightOf = "parent">
51
52
                <CheckBox
53
                   android:id="@+id/google_provider"
                   android: layout_width="wrap_content"
54
                   android: layout_height="wrap_content"
55
                   android:checked="true"
56
                   android:text="60091e"
57
                   android:textSize="30sp"
58
                   app: layout_constraintLeft_toLeftOf="parent"
59
                   app:layout_constraintTop_toTopOf="parent" />
60
            </androidx.constraintlayout.widget.ConstraintLayout>
61
62
        </androidx.constraintlayout.widget.ConstraintLayout>
63
```

```
activity_firebase_ui.xml ×

    □ FirebaseUIActivity.java ×
                                                           AuthActivity.java ×
                                                                                  MainActivity.java ×
            package com.example.firebaseassistanttest;
 2
            import ...
 3
 9
           public class MainActivity extends AppCompatActivity implements View.OnClickListener{
10
11
12
               @Override
13 💇
               protected void onCreate(Bundle savedInstanceState) {
                   super.onCreate(savedInstanceState);
14
                   setContentView(R.Tayout.activity_main);
15
16
                   Button firebaseBtn = (Button)findViewByld(R.id.firebaseAuthBtn);
17
                   firebaseBtn.setOnClickListener(this);
18
19
20
               @Override
21
22 0 0
               public void onClick(View view) {
                   switch (view.getld()) {
23
                       case R.id.firebaseAuthBtn:
24
                           Intent i = new Intent( packageContext this, AuthActivity.class);
25
                           startActivity(i);
26
                           break:
27
                       default:
28
                           break:
29
30
31
32
```

```
FirebaseUIActivity.java ×
                               AuthActivity.java ×
                                                     MainActivity.java ×

    app ×

           package com.example.firebaseassistanttest;
 2
           import ...
 3
9
           public class AuthActivity extends AppCompatActivity implements View.OnClickListener {
10
11
               00verride
12
13 💇
               protected void onCreate(Bundle savedInstanceState) {
                   super.onCreate(savedInstanceState);
14
                   setContentView(R.Tayout.activity_auth);
15
16
                   Button firebaseUIBtn = (Button)findViewById(R.id.firebaseui);
17
                   firebaseUIBtn.setOnClickListener(this);
18
19
20
               @Override
21
22 0 @
               public void onClick(View view) {
23
                   switch (view.getld()) {
                       case R.id.firebaseui:
24
                           Intent i = new Intent( packageContext this, FirebaseUlActivity.class);
25
                           startActivity(i);
26
                           break:
27
                       default:
28
                          break.
29
30
31
32
```

```
rebaseUIActivity.java 🗡
                     AuthActivity.java ×
                                          AndroidManifest.xml X
                                                                   MainActivity.java ×

    app ×

 Gradle project sync in progress...
             buildTypes {
15
16
                 release {
                    minifyEnabled false
17
                    proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'), 'proguard-ru
18
19
20
21
22
         |dependencies {
23
             implementation fileTree(dir: 'libs', include: ['*.jar'])
24
             implementation androidx.appcompat:1.0.2
25
             implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
26
             implementation 'com.google.firebase:firebase-core:17.2.1'
27
          implementation 'com.google.firebase:firebase-auth:19.2.0'
28
             implementation 'com.firebaseui:firebase-ui-auth:4.3.2'
29
             testImplementation 'junit:junit:4.12'
30
             androidTestImplementation androidx.test:runner:1.1.1
31
             androidTestImplementation androidx.test.espresso:espresso-core:3.1.1
32
33
       □}
34
```

```
FirebaseUIActivity.java ×
                            AuthActivity.java >
                                                   AndroidManifest.xml ×
                                                                             MainActivity.java ×
            package com.example.firebaseassistanttest;
 2
            import androidx.annotation.Nullable;
 3
            import androidx.appcompat.app.AppCompatActivity;
 4
 5
            import android.content.Intent;
 6
            import android.os.Bundle;
            import android.view.View;
 8
            import android.widget.Button;
            import android.widget.CheckBox;
10
11
            import com.firebase.ui.auth.AuthUl:
12
            import com.firebase.ui.auth.ldpResponse;
13
            import com.google.firebase.auth.FirebaseAuth;
14
            import com.google.firebase.auth.FirebaseUser;
15
16
            import java.util.ArrayList;
17
            import java.util.List;
18
19
           public class FirebaseUlActivity extends AppCompatActivity implements View.OnClickListener {
20
               private static final int RC_SIGN_IN = 1000;
21
22
                00verride
23
24 💇
               protected void onCreate(Bundle savedInstanceState) {
25
                   super.onCreate(savedInstanceState);
                   setContentView(R.Tayout.activity_firebase_ui);
26
27
                   Button firebaseUlAuthBtn = (Button)findViewByld(R.id.firebaseuiauthbtn);
28
                   firebaseUIAuthBtn.setOnClickListener(this);
29
30
31
```

```
@Override
32
33 🖭
               protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
                    super.onActivityResult(requestCode, resultCode, data);
34
35
                    if(requestCode == RC_SIGN_IN) {
36
                       IdpResponse response = IdpResponse.fromResultIntent(data);
37
38
                       if(resultCode == RESULT_OK) {
39
                           FirebaseUser user = FirebaseAuth.getInstance().getCurrentUser();
40
                       } else {
41
                           // Sign In Failed!
42
43
44
45
46
               @Override
47
48 0 @
               public void onClick(View view) {
                   switch (view.getld()) {
49
                       case R.id.firebaseuiauthbtn:
50
                           signIn();
51
                           break:
52
                       default:
53
54
                           break:
55
56
57
```

```
private void signIn() {
58
                   startActivityForResult(
59
                           AuthUl.getInstance().createSignInIntentBuilder()
60
                           .setTheme(getSelectedTheme())
61
                           .setLogo(getSelectedLogo())
62
                           .setAvailableProviders(getSelectedProviders())
63
                           .setTosAndPrivacyPolicyUrls(
64
                                    tosUrl: "https://naver.com",
65
                                    privacyPolicyUrl: "https://google.com")
66
                           .setIsSmartLockEnabled(true)
67
                           .build(),
68
                           RC_SIGN_IN
69
                   );
70
71
72
      @ +
               private int getSelectedTheme() { return AuthUI.getDefaultTheme(); }
73
77
      @ +
               private int getSelectedLogo() { return AuthUl.NO_L060; }
78
82
               private List<AuthUl.IdpConfig> getSelectedProviders()
83
84
                   List<AuthUl.IdpConfig> selectedProviders = new ArrayList<>();
85
                   CheckBox googlechk = (CheckBox)findViewByld(R.id.google_provider);
86
87
                   if(googlechk.isChecked())
88
89
                       selectedProviders.add(ne▼ AuthUl.ldpConfig.GoogleBuilder().build());
90
91
92
                   return selectedProviders;
93
94
95
```

