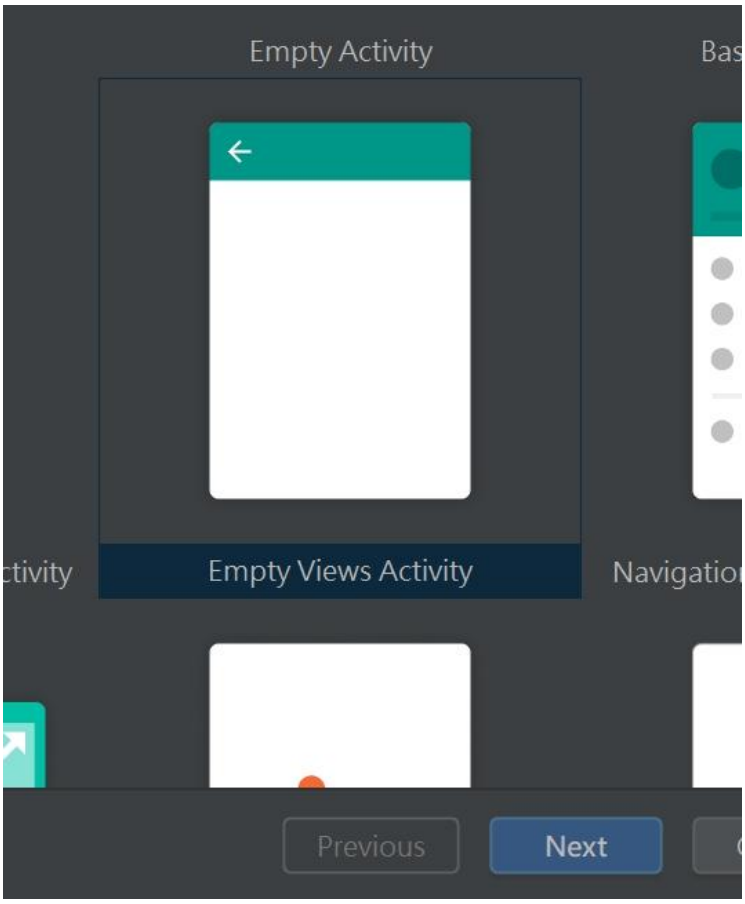
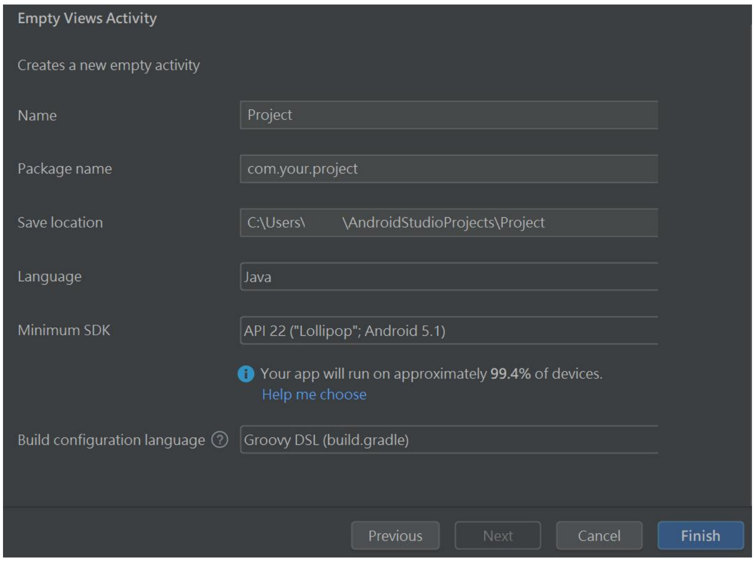
# Connect Tool Tutorial

The following are the initial steps

1. Create empty project



2. Settings



Empty Views Activity

Creates a new empty activity

Name: Project

Package name: com.your.project

Save location: C:\Users\ \AndroidStudioProjects\Project

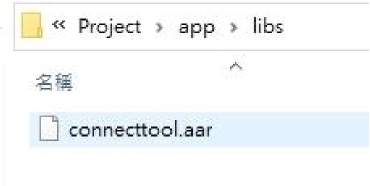
Language: Java

Minimum SDK: API 22 ("Lollipop"; Android 5.1)

Your app will run on approximately **99.4%** of devices.
Help me choose

Build configuration language: Groovy DSL (build.gradle)

3. **Copy AAR File**: Copy the AAR library file into the 'libs' directory you created.



« Project › app › libs

名稱

connecttool.aar

4. **Update Gradle Configuration**: Open the app-level `build.gradle` file in your project's module. Add the following code snippet within the 'dependencies' block:

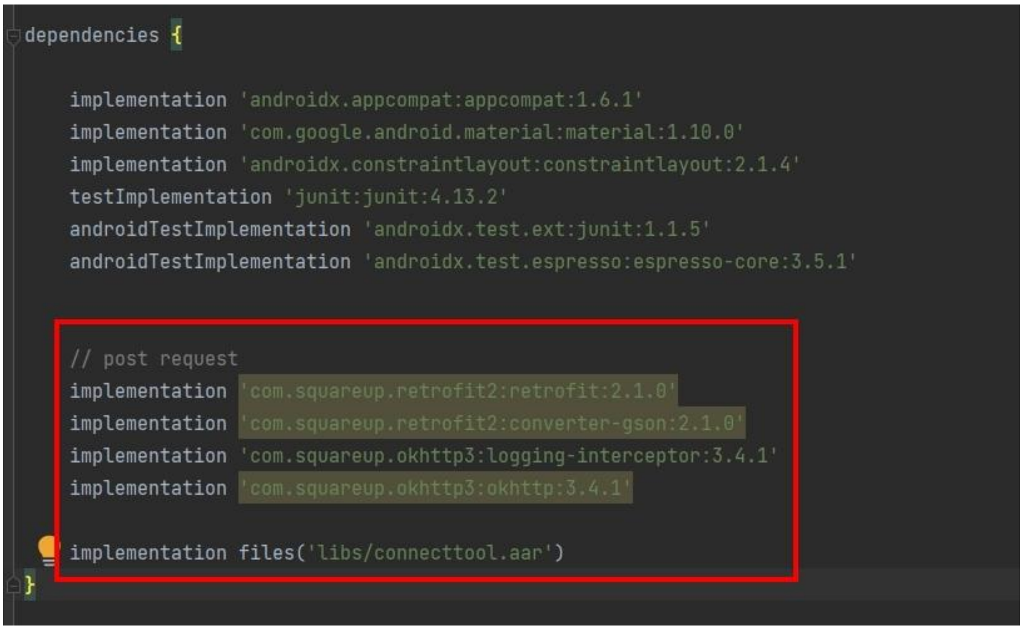
***implementation 'com.squareup.retrofit2:retrofit:2.1.0'***

***implementation 'com.squareup.retrofit2:converter-gson:2.1.0'***

***implementation 'com.squareup.okhttp3:logging-interceptor:3.4.1'***

***implementation 'com.squareup.okhttp3:okhttp:3.4.1'***

***implementation files('libs/connecttool.aar')***



```
dependencies {

    implementation 'androidx.appcompat:appcompat:1.6.1'
    implementation 'com.google.android.material:material:1.10.0'
    implementation 'androidx.constraintlayout:constraintlayout:2.1.4'
    testImplementation 'junit:junit:4.13.2'
    androidTestImplementation 'androidx.test.ext:junit:1.1.5'
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.5.1'

    // post request
    implementation 'com.squareup.retrofit2:retrofit:2.1.0'
    implementation 'com.squareup.retrofit2:converter-gson:2.1.0'
    implementation 'com.squareup.okhttp3:logging-interceptor:3.4.1'
    implementation 'com.squareup.okhttp3:okhttp:3.4.1'

    implementation files('libs/connecttool.aar')
}
```

5. **Sync Gradle..**

6. **Open \app\src\main\AndroidManifest.xml to add:**

```
<uses-permission android:name="android.permission.INTERNET" />
<intent-filter>
        <action android:name="android.intent.action.VIEW" />
        <category android:name="android.intent.category.DEFAULT" />
        <category android:name="android.intent.category.BROWSABLE" />
        <data android:scheme="{{ Get from redirect_uri's scheme }}" android:host="connectlink" />
</intent-filter>
```

7. **Importing Classes**:

import com.r17dame.connecttool.ConnectBasic;

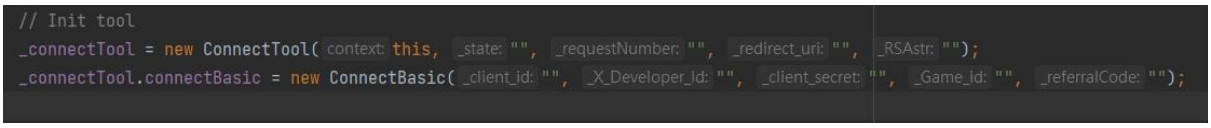
import com.r17dame.connecttool.ConnectTool;

8. Create ConnectTool _connectTool in MainActivity.

9. Copy to your **MainActivity.onCreate()** for deepLink :

```
Intent appLinkIntent = getIntent();
String appLinkAction = appLinkIntent.getAction();
Uri appLinkData = appLinkIntent.getData();
if (appLinkData != null && appLinkData.isHierarchical()) {
   String uri = this.getIntent().getDataString();
   _connectTool.code = appLinkData.getQueryParameter("code");
}
```

17. Fill  in relevant information



```
// Init tool
_connectTool = new ConnectTool( context: this, _state: "", _requestNumber: "", _redirect_uri: "", _RSAstr: "");
_connectTool.connectBasic = new ConnectBasic( _client_id: "", _X_Developer_Id: "", _client_secret: "", _Game_id: "", _referralCode: "");
```

---

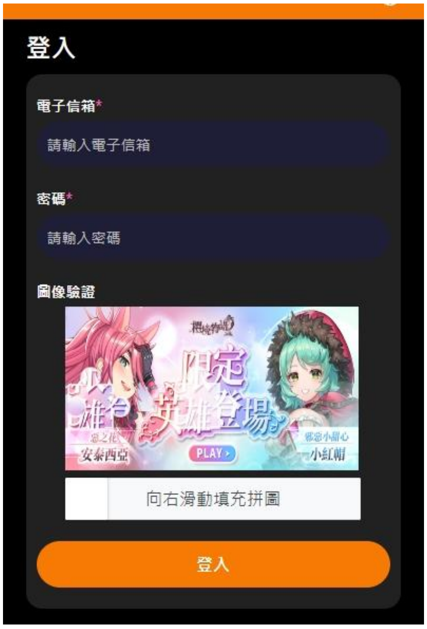
The following are  descriptions of the main functions.

| SendRegisterData | |
|---|---|
| Intent | Complete registration |
| Step | 1. Fill in registration information<br>`_connectTool.CreateAccountInitData(String _email, String _password);`<br>2. Passwords must have at least one `uppercase letter`/`lowercase letter`/`symbol`.<br>3. Password length must be 6 or more.<br>4. Get boolean result<br>`_connectTool.SendRegisterData(new ConnectCallback() {`<br>`    @Override`<br>`    public void callbackCheck(boolean value) {`<br>`        Log.v(TAG, "RegisterData callback : " + value);`<br>`    }`<br>`});` |

<table>
<tr><th colspan="2">SendLoginData</th></tr>
<tr><td>Intent</td><td>After the user completes registration, execute <b>SendLoginData</b>.</td></tr>
<tr><td>Step</td><td>
<ol>
<li>Fill in registration information</li>
</ol>
<pre><code>_connectTool.CreateAccountInitData(String _email, String _password);</code></pre>
<ol start="2">
<li>Get boolean result</li>
</ol>
<pre><code>_connectTool.SendLoginData(new ConnectCallback() {
   @Override
   public void callbackCheck(boolean value) {
       Log.v(TAG, "LoginData callback : " + value);
   }
});</code></pre>
</td></tr>
<tr><td></td><td></td></tr>
</table>

<table>
<tr><th colspan="2">OpenAuthorizeURL</th></tr>
<tr><td>Intent</td><td>Get “code”</td></tr>
<tr><td>Step</td><td>
<ol>
<li><b>Fill in registration information</b></li>
</ol>
<pre><code>_connectTool.OpenAuthorizeURL();</code></pre>
<ol start="2">
<li><b>Authorize URL =></b><br>https://gamar18portal.azurewebsites.net/connect/Authorize?response_type=code&client_id=YourClientId&redirect_uri=YourRedirect_uri&scope=game+offline_access&state=YourState</li>
<li>Open the browser to log in.</li>
</ol>
</td></tr>
</table>

4. Complete login



登入

電子信箱*

請輸入電子信箱

密碼*

請輸入密碼

圖像驗證

向右滑動填充拼圖

登入

4. After logging in,  deep link back to app.

## GetConnectToken_Coroutine

Intent

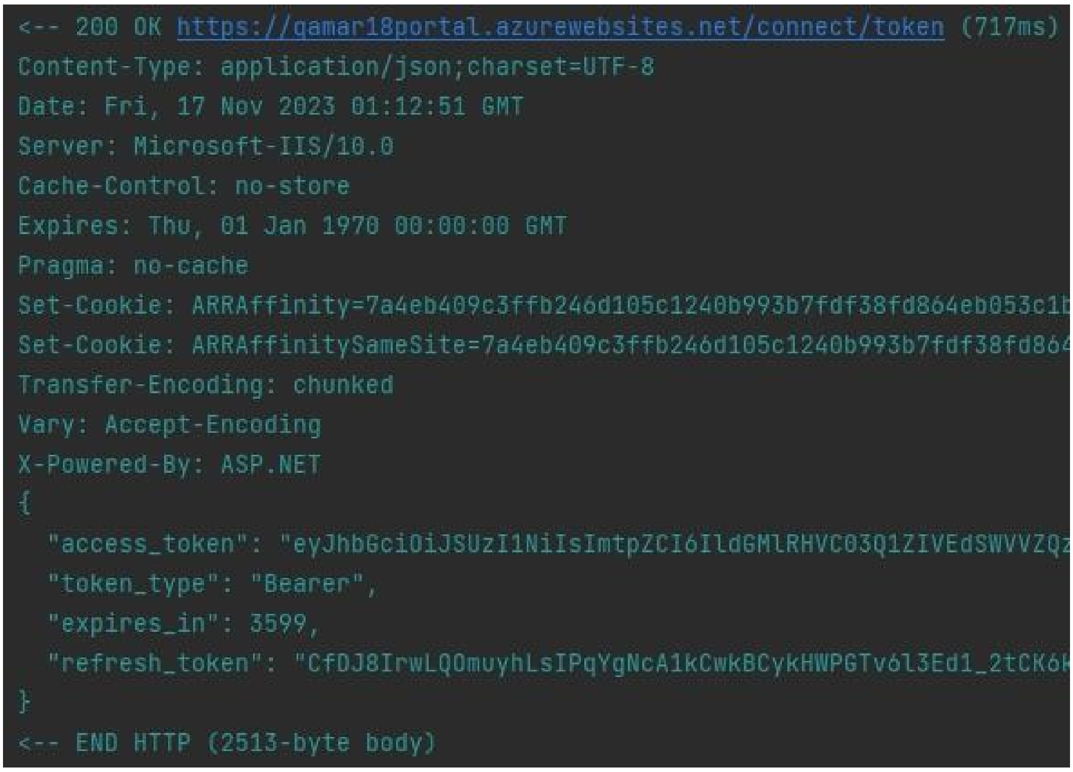
Get ConnectToken.

Step

1. connectTool.code is required.
2. connectTool.code can be obtained through onDeepLinkActivated .
3. After completing the OpenAuthorizeURL call:

```
_connectTool.GetConnectToken_Coroutine(new ConnectTokenCall() {
   @Override
   public void callbackConnectToken(ConnectToken value) {
       Log.v(TAG, "ConnectToken callback : " + value.access_token);
   }
});
```

4.Get  ConnectToken.



```
<-- 200 OK https://qamar18portal.azurewebsites.net/connect/token (717ms)
Content-Type: application/json;charset=UTF-8
Date: Fri, 17 Nov 2023 01:12:51 GMT
Server: Microsoft-IIS/10.0
Cache-Control: no-store
Expires: Thu, 01 Jan 1970 00:00:00 GMT
Pragma: no-cache
Set-Cookie: ARRAffinity=7a4eb409c3ffb246d105c1240b993b7fdf38fd864eb053c1b
Set-Cookie: ARRAffinitySameSite=7a4eb409c3ffb246d105c1240b993b7fdf38fd864
Transfer-Encoding: chunked
Vary: Accept-Encoding
X-Powered-By: ASP.NET
{
  "access_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6IldGMlRHVC03Q1ZIVEdSWVVZQz
  "token_type": "Bearer",
  "expires_in": 3599,
  "refresh_token": "CfDJ8IrwLQ0muyhLsIPqYgNcA1kCwkBCykHWPGTv6l3Ed1_2tCK6k
}
<-- END HTTP (2513-byte body)
```

## GetRefreshToken_Coroutine

| | |
|---|---|
| Intent | Get ConnectToken. |

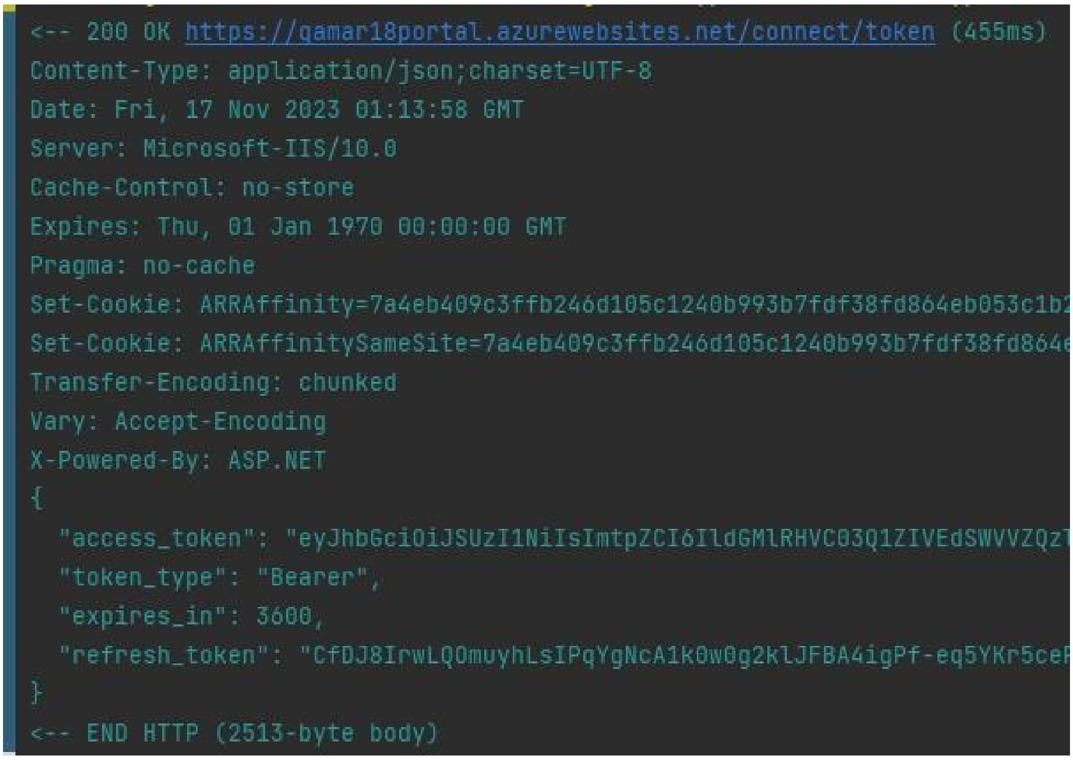
Step

1. connectTool.refresh_token` is required.
2. Call GetRefreshToken_Coroutine.

```
_connectTool.GetRefreshToken_Coroutine(new ConnectTokenCall() {

   @Override
   public void callbackConnectToken(ConnectToken value) {
       Log.v(TAG, "RefreshToken callback : " + value.access_token);
   }
});
```

3. Get  ConnectToken.



```
<-- 200 OK https://gamar18portal.azurewebsites.net/connect/token (455ms)
Content-Type: application/json;charset=UTF-8
Date: Fri, 17 Nov 2023 01:13:58 GMT
Server: Microsoft-IIS/10.0
Cache-Control: no-store
Expires: Thu, 01 Jan 1970 00:00:00 GMT
Pragma: no-cache
Set-Cookie: ARRAffinity=7a4eb409c3ffb246d105c1240b993b7fdf38fd864eb053c1b
Set-Cookie: ARRAffinitySameSite=7a4eb409c3ffb246d105c1240b993b7fdf38fd864
Transfer-Encoding: chunked
Vary: Accept-Encoding
X-Powered-By: ASP.NET
{
  "access_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6IldGMlRHVC03Q1ZIVEdSWVVZQz
  "token_type": "Bearer",
  "expires_in": 3600,
  "refresh_token": "CfDJ8IrwLQ0muyhLsIPqYgNcA1k0w0g2klJFBA4igPf-eq5YKr5ce
}
<-- END HTTP (2513-byte body)
```

## GetMe_Coroutine

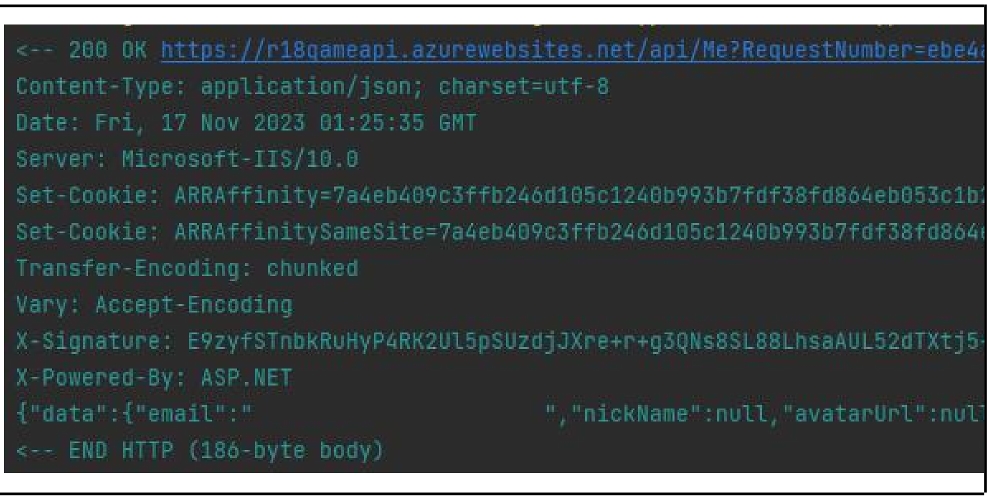
| Intent | Get User's **MeInfo**. |
|---|---|

Step

1. After GetConnectToken_Coroutine and get ConnectTokenModel
2. `connectTool.access_token` is required.
3. Call GetMe_Coroutine function

```
try {
   _connectTool.GetMe_Coroutine(new MeCallback() {
       @Override
       public void callbackMeInfo(MeInfo value) {
           Log.v(TAG, "MeInfo callback : " + value.status);
       }
   });
} catch (NoSuchAlgorithmException e) {
   throw new RuntimeException(e);
}
```

4. Get User's MeInfo.

| | |
|---|---|
| |  |

```
<-- 200 OK https://r18gameapi.azurewebsites.net/api/Me?RequestNumber=ebe4a
Content-Type: application/json; charset=utf-8
Date: Fri, 17 Nov 2023 01:25:35 GMT
Server: Microsoft-IIS/10.0
Set-Cookie: ARRAffinity=7a4eb409c3ffb246d105c1240b993b7fdf38fd864eb053c1b
Set-Cookie: ARRAffinitySameSite=7a4eb409c3ffb246d105c1240b993b7fdf38fd864
Transfer-Encoding: chunked
Vary: Accept-Encoding
X-Signature: E9zyfSTnbkRuHyP4RK2Ul5pSUzdjJXre+r+g3QNs8SL88LhsaAUL52dTXtj5
X-Powered-By: ASP.NET
{"data":{"email":"                      ","nickName":null,"avatarUrl":nul
<-- END HTTP (186-byte body)
```