

Integrating Google Sign-In into your Android api:-

Create authorization credentials:-

1. Go to the link:- <https://developers.google.com/identity/sign-in/android/start-integrating>
2. Click on configure project
3. Select the **Android** in application type.
4. Give OAuth client name.
5. Give package name from AndroidManifest.xml file
6. Give SHA-1 signing certificate
 - a. Go to gradle
 - b. Open your project name
 - c. Open task>android>SigninRepot
 - d. Then you will find SHA-1 signing certificate for your project

Work on android project:-

1. Implement play service on app level gradle file
2. Add internet permission in AndroidManifest file
3. Create object for button
4. Create object for GoogleSignInOption and call requestemail and built method
5. Declare variable for googlesigninclient and pass context of this activity and object of GoogleSignInOption
6. Set onclicklistener on bttutton and create explicit intent and using this intent we will start the activity which will let the user to sign using google account
7. When user will interact with activity it will pass back the result which will be capture by onActivityResult
8. Then we will create a task which will gather all the information of the user
9. Then we will create a object of GoogleSignInAccount and display result using this object and if user hasn't sign in then it will through a exception and we will display failed