

Adding Firebase RealTime database to an Android app

Create project in Android Studio

Copy Package Name from app from Manifest file (eg com.raymundoconnor.realteambd)

Log in to Firebase console

Create new project

Add Firebase to your Android app

Click Database and click on + to add fields and values to your database (eg Name: Ray, Age:22)

Download and paste json file into App folder in Project view

In Android view add the following line to build.gradle (Project)

- classpath 'com.google.gms:google-services:3.0.0'

In Android view add the following lines to build.gradle (Module App) Dependencies section

- compile 'com.google.firebase:firebase-core:10.2.0'
- compile 'com.google.firebase:firebase-database:10.2.0'

In Android view add the following line underneath build.gradle (Module App) Dependencies section

- apply plugin: 'com.google.gms.google-services' (Note: after the last bracket “}”)

Add necessary Java code to MainActivity.java

- DatabaseReference CD = FirebaseDatabase.getInstance().getReference();
- DatabaseReference CourseDirector = CD.child("CD");
- DatabaseReference Course = FirebaseDatabase.getInstance().getReference();
- DatabaseReference CourseName = Course.child("Course");

Add the following to the onCreate or onStart methods

- protected void onStart(){
- super.onStart();
- CourseDirector.addValueEventListener(new ValueEventListener() {
- @Override
- public void onDataChange(DataSnapshot dataSnapshot) {
- String text = dataSnapshot.getValue(String.class);
- tvOne.setText(text);
- }
- @Override
- public void onCancelled(DatabaseError databaseError) {
- }
- });
- }