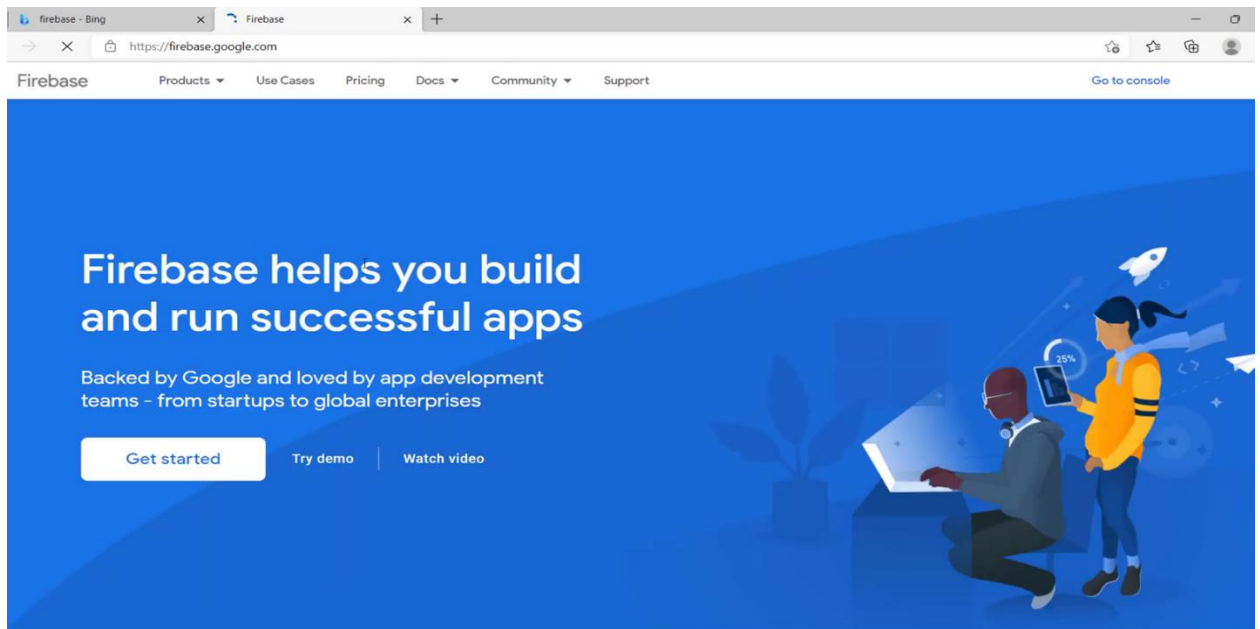


Firebase Connection with the Android Studio

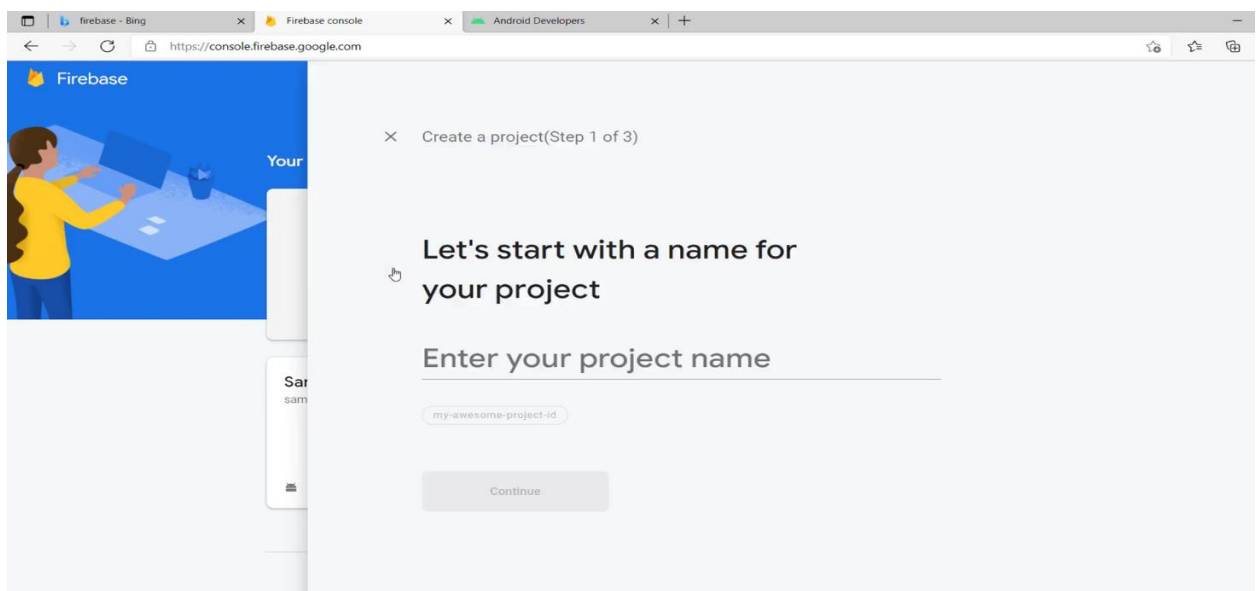
1. Firebase main page

Search firebase in the google and click on the link <https://firebase.google.com/>

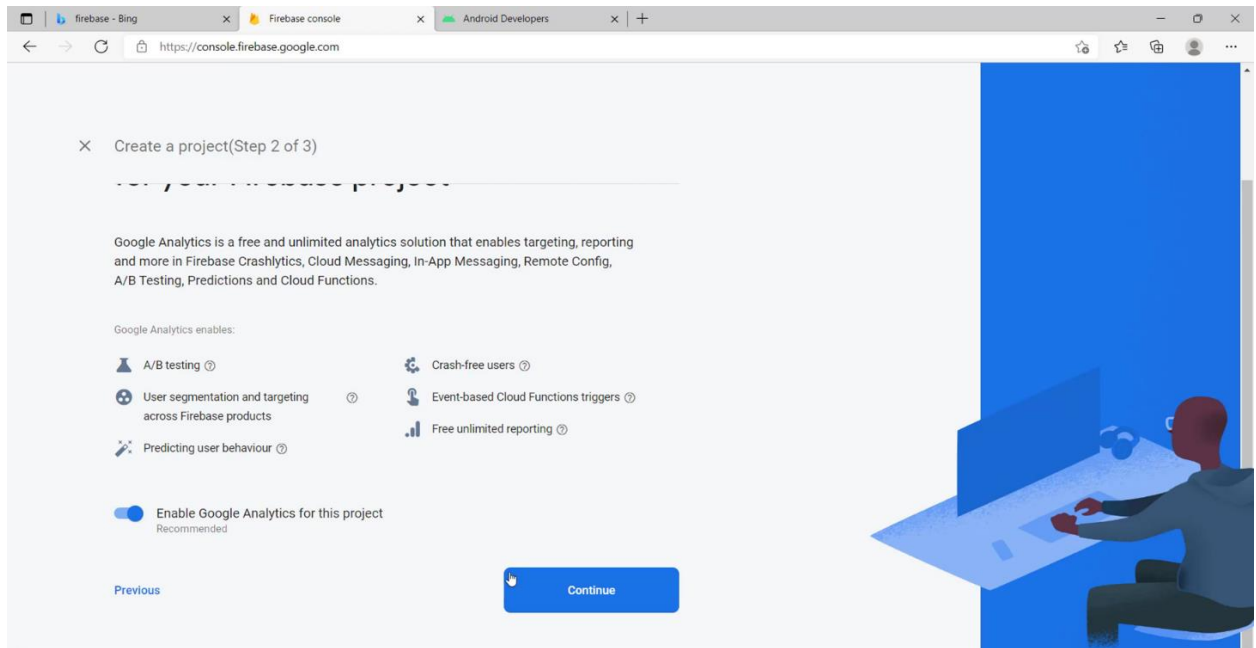


2. Creating a project

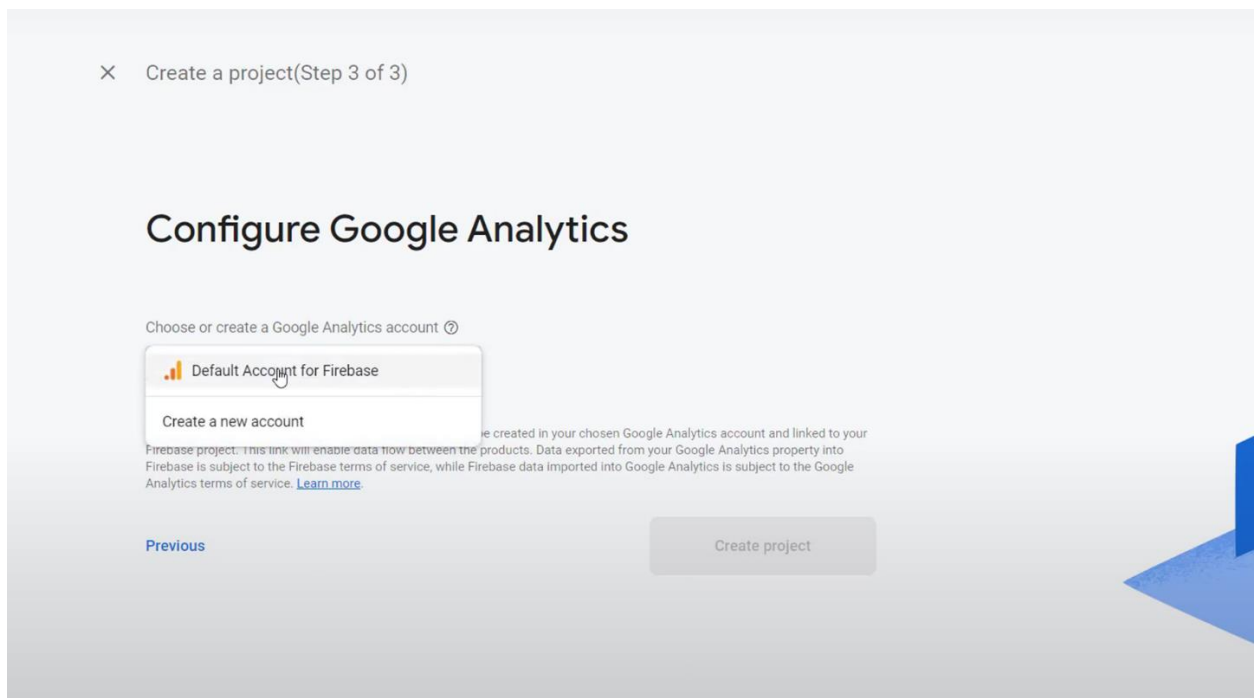
Click on get started to create a project and give the name.



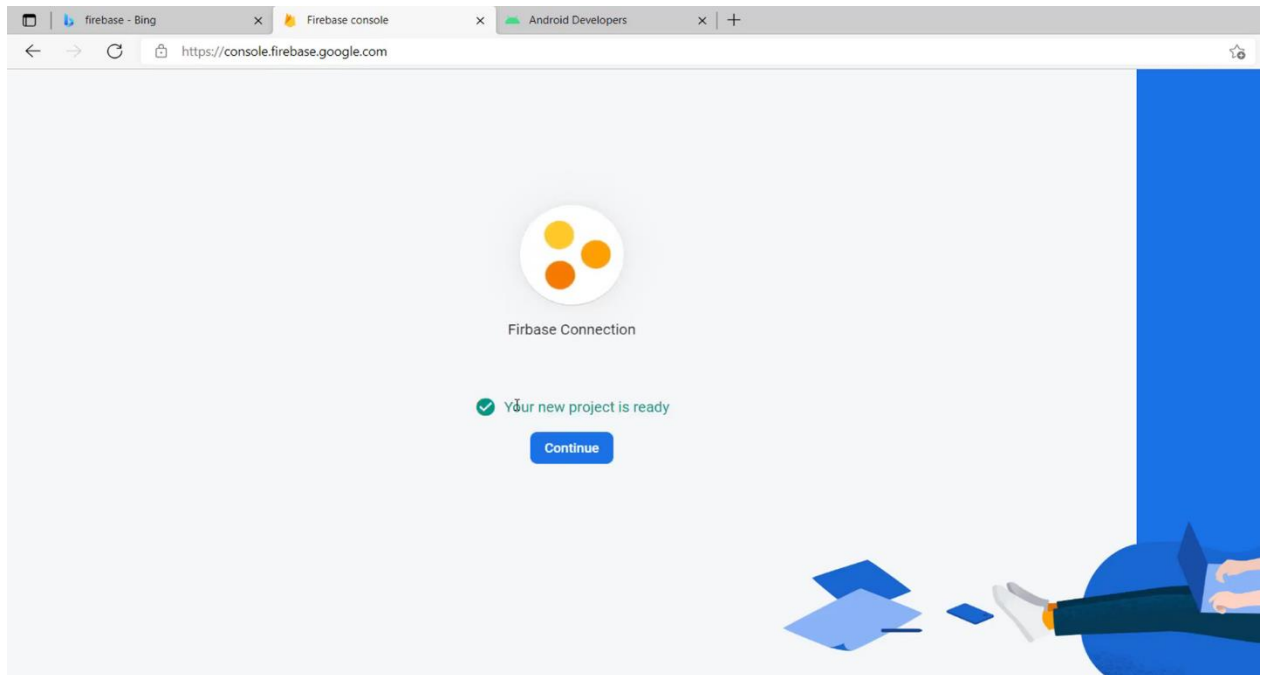
Once the name is given, enable the google analytics for the project and click continue



Select the default account for the firebase

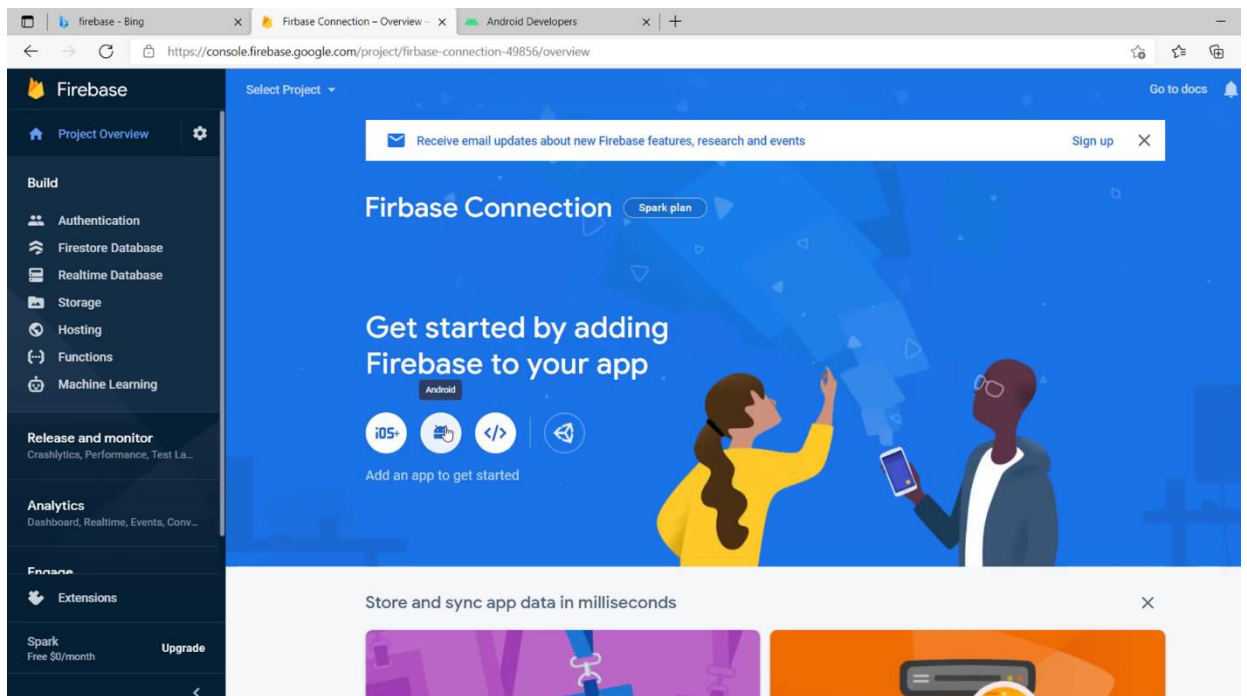


The firebase project is created



3. Project firebase console

Select the android application on the console to add the app for the project.



4. Adding the firebase to android project

Give the required android project information and register the app

4. Adding the firebase to android project

Give the required android project information and register the app

[illegible]

Download the config file and paste it in the app folder of the android project

firebase - Bing

Android Developers

https://console.firebase.google.com/project/firebase-connection-49856/overview

Add Firebase to your Android app

Register app

Android package name: com.example.firebaseconnection, app nickname: Firebase Connection

Download config file

Instructions for Android Studio below | [Unity](#) [C++](#)

Download google-services.json

Switch to the Project view in Android Studio to see your project root directory.

Move the google-services.json file that you just downloaded into your Android app module root directory.

google-services.json

Next

Add Firebase SDK

Project Packages Scratch

MyApplication (~\Desktop\My)

gradle

idea

app

build

libs

src

.gitignore

app.iml

build.gradle

google-services.json

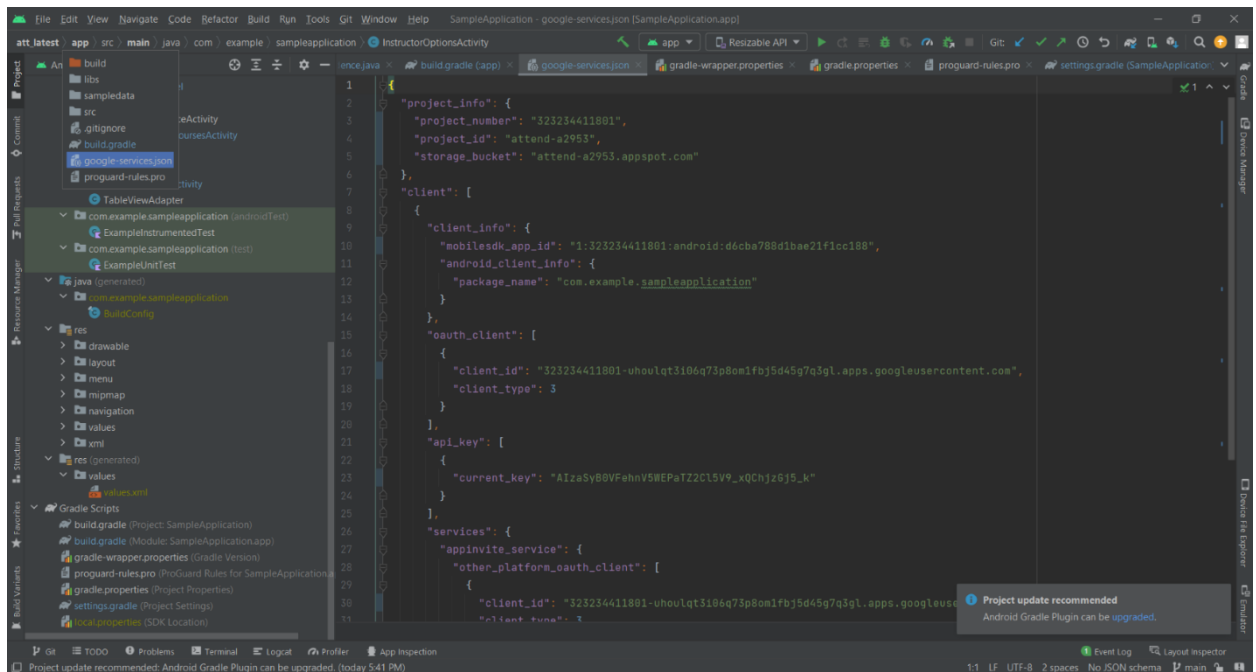
proguard-rules.pro

gradle

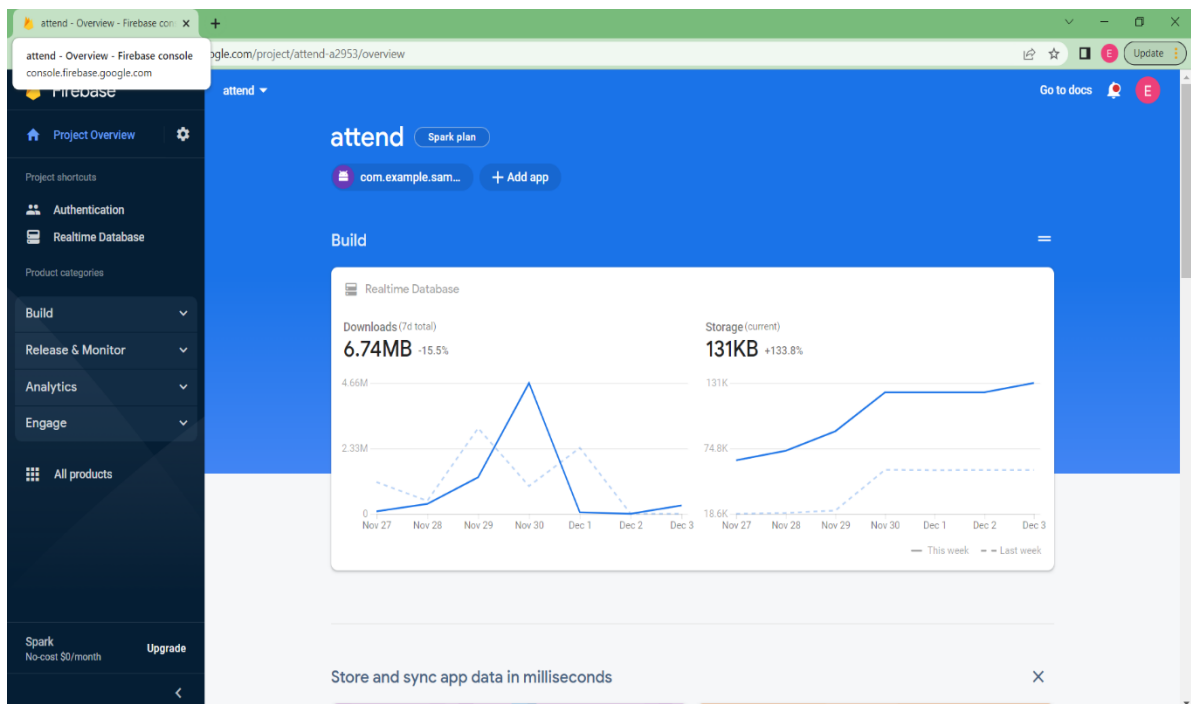
Structure

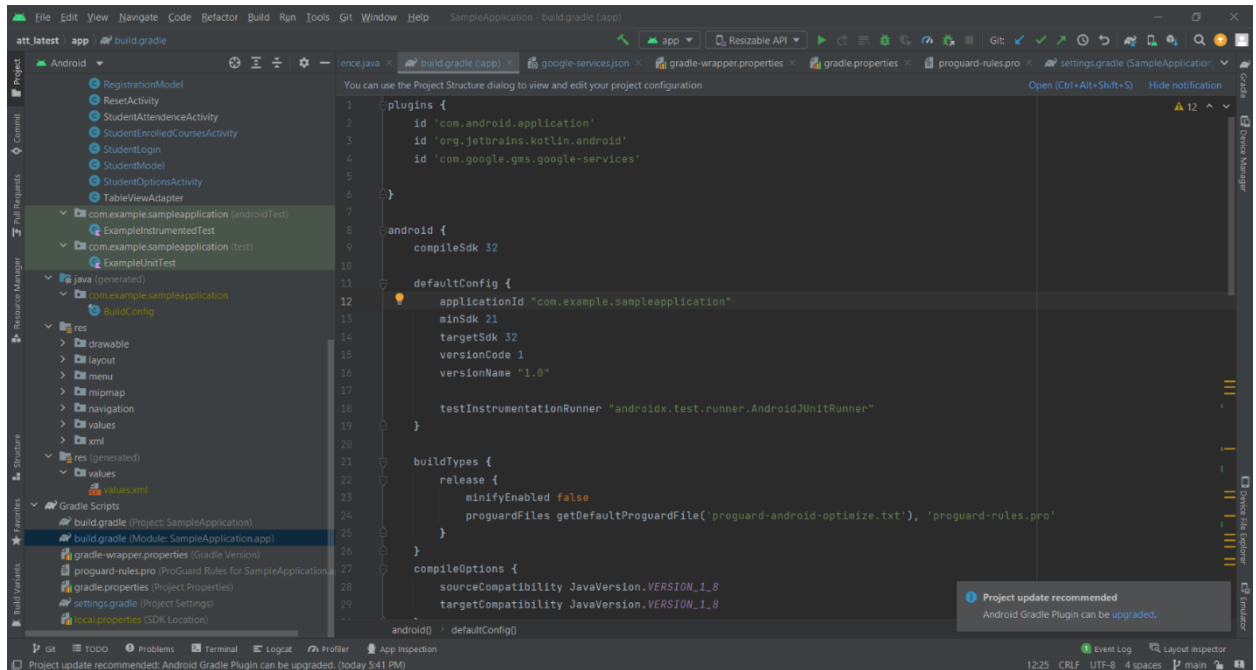
2 Structure

Capture



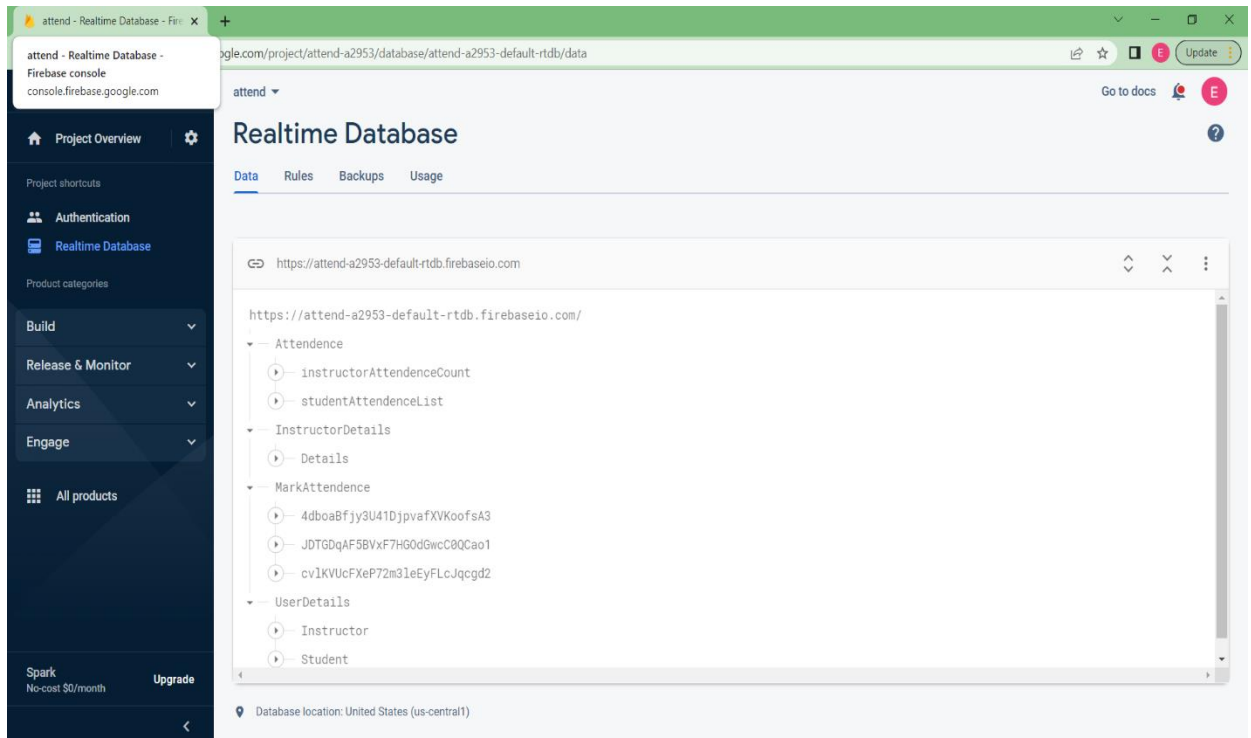
5. Add the application id in the project
Select the link from the firebase and paste the link in the build.gradle





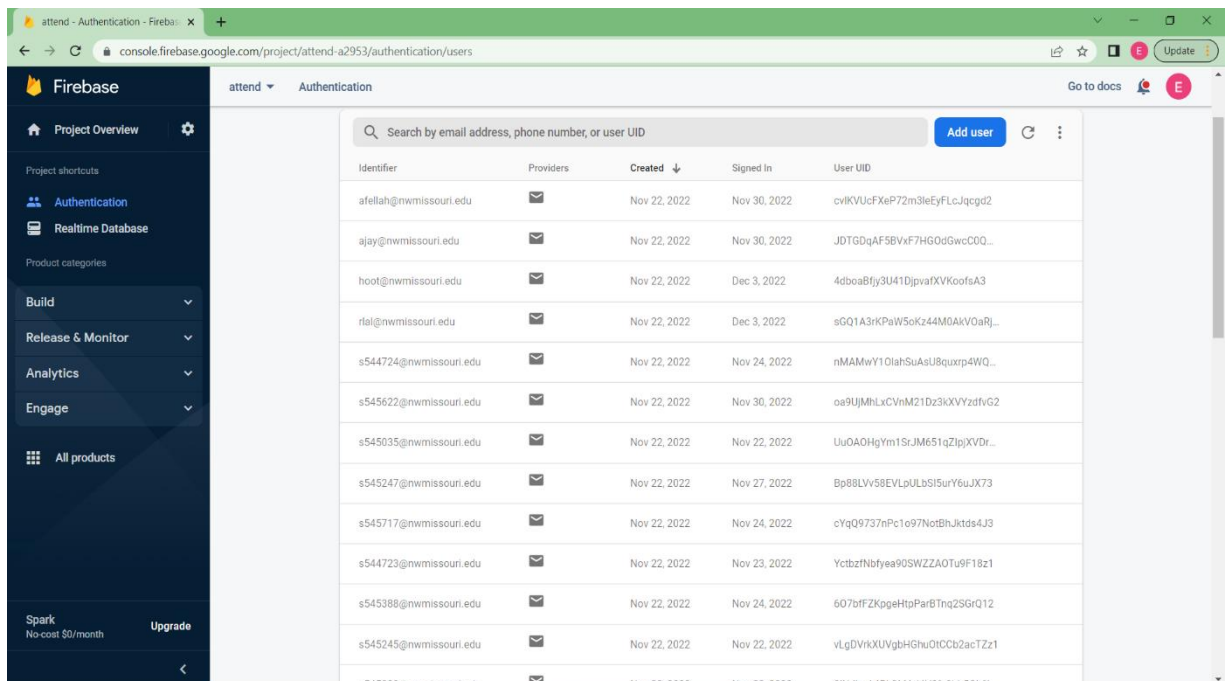
6. Real-time Database

Firestore Realtime Database is a cloud-hosted NoSQL database that lets you store and sync data between your users in real time. Data is stored as JSON and synchronized across all clients in real time. It is also available offline, so your app will continue to work reliably even if the user loses their internet connection. It also features powerful security rules that let you determine who has read and write access to your data.



7. Authentication

Firebase Authentication is a secure authentication system provided by Google's Firebase that enables you to easily and quickly add user authentication to your application. It provides sign-in flows for users to sign in with their existing accounts, or to create new accounts using their email address, phone number, and more. It also provides secure data storage and secure access to databases and provides various tools to help developers create applications that are secure and easy to use. It provides a set of APIs and SDKs for developers to integrate into their apps that allow users to sign in with their credentials and access data stored in the Firebase Cloud.



The screenshot shows the Firebase Authentication console for a project named 'attend'. The left sidebar contains navigation links for Project Overview, Authentication, Realtime Database, Build, Release & Monitor, Analytics, Engage, and All products. The main content area displays a table of users with columns for Identifier, Providers, Created, Signed In, and User UID. A search bar at the top allows filtering by email address, phone number, or user UID. An 'Add user' button is located in the top right corner of the table.

Identifier	Providers	Created	Signed In	User UID
afellah@nwmissouri.edu	📧	Nov 22, 2022	Nov 30, 2022	cvIKVUcFXeP72m3leEyFLcJqcd2
ajay@nwmissouri.edu	📧	Nov 22, 2022	Nov 30, 2022	JDTGDqAF5BVxF7HG0dGwcC0Q...
hoot@nwmissouri.edu	📧	Nov 22, 2022	Dec 3, 2022	4dboaBfy3U41DjpvaFXVKoofsA3
rlal@nwmissouri.edu	📧	Nov 22, 2022	Dec 3, 2022	sGQ1A3rKPaW5oKz44M0akVOaRj...
s544724@nwmissouri.edu	📧	Nov 22, 2022	Nov 24, 2022	nMAMwY1OlalSuAsU8quxrp4WQ...
s545622@nwmissouri.edu	📧	Nov 22, 2022	Nov 30, 2022	oa9UjMhLxCvNm21Dz3kXYyzdFvG2
s545035@nwmissouri.edu	📧	Nov 22, 2022	Nov 22, 2022	Uu0AOHgyYm1SrJM651qZlpjXVDr...
s545247@nwmissouri.edu	📧	Nov 22, 2022	Nov 27, 2022	Bp8BLVv58EVLpULbSl5urYeuJX73
s545717@nwmissouri.edu	📧	Nov 22, 2022	Nov 24, 2022	cYqQ9737nPc1o97NotBhJktds4J3
s544723@nwmissouri.edu	📧	Nov 22, 2022	Nov 23, 2022	YctbzTfNbyea90SWZZAOTu9F18z1
s545388@nwmissouri.edu	📧	Nov 22, 2022	Nov 24, 2022	607bFfZKpgeHtpPar8Tnq2SGQ12
s545245@nwmissouri.edu	📧	Nov 22, 2022	Nov 22, 2022	vLgDVkXUVgbHGhu0ICCb2acTZz1
s545008@nwmissouri.edu	📧	Nov 22, 2022	Nov 22, 2022	3IN8u44Dh9MA4d4V8tGh5h5Dh11