

EXP 6

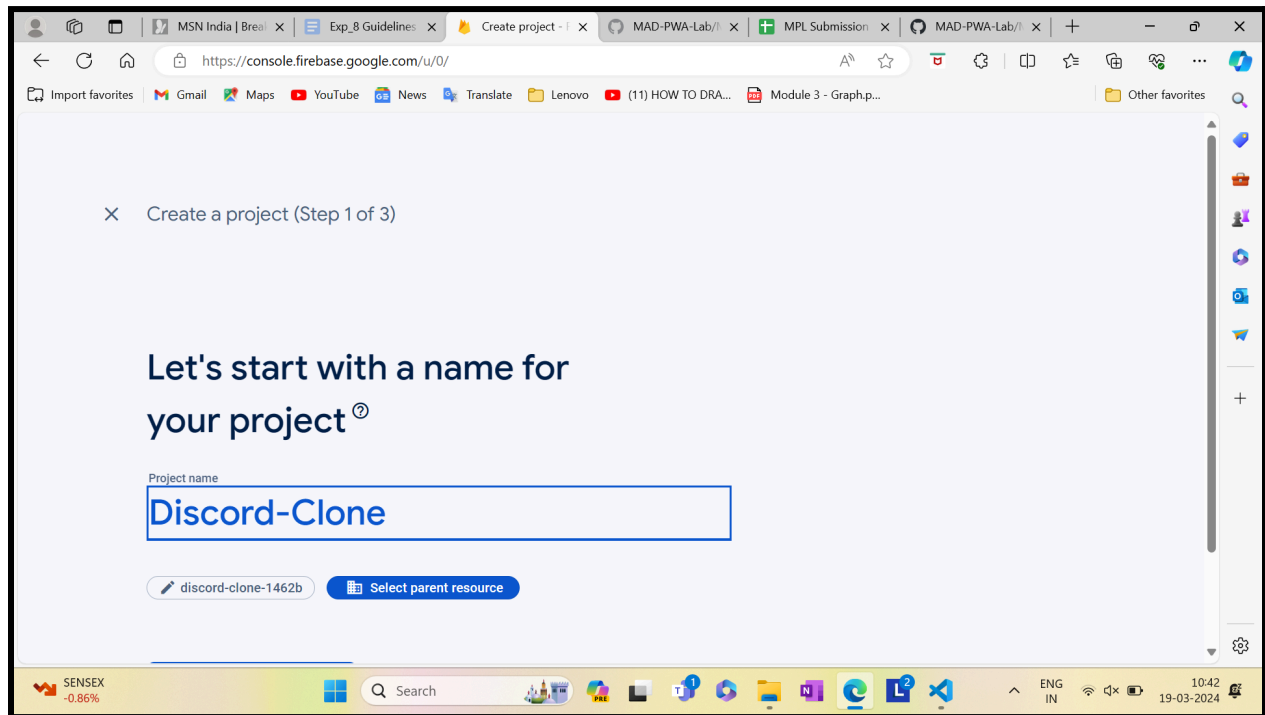
AIM: How To Set Up Firebase with Flutter for iOS and Android Apps

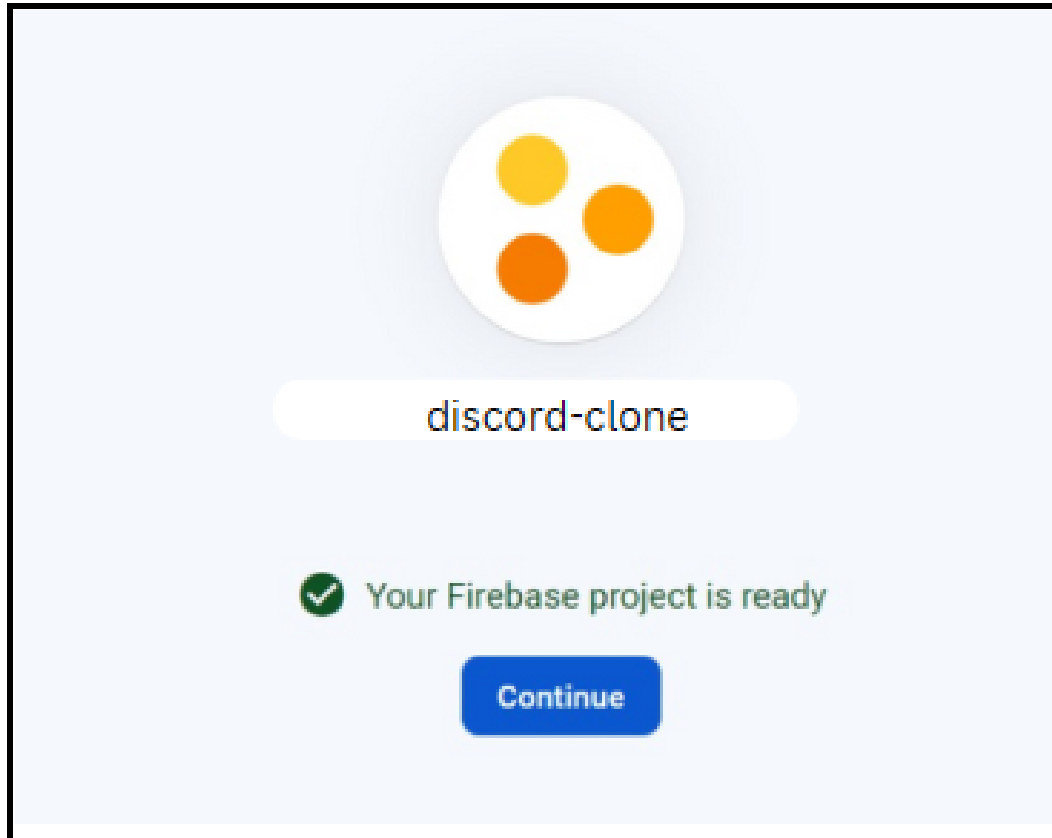
THEORY:

- Create a Firebase Project:
 - Go to the Firebase Console (<https://console.firebase.google.com/>) and create a new project.

Add Your App to Firebase:

- After creating your Firebase project, click on the "Add app" button.
- Choose the platform (iOS or Android) for which you want to add the app.





Go to the Terminal:

```
PS S:\Flutter\thread-clone-flutter> flutterfire configure
>>
i Found 2 Firebase projects.
✓ Select a Firebase project to configure your Flutter application with · discord-clone-42bfe (Discord-Clone)
✓ Which platforms should your configuration support (use arrow keys & space to select)? · android, ios
i Firebase android app com.example.thread_clone_flutter is not registered on Firebase project discord-clone-42bfe.
i Registered a new Firebase android app on Firebase project discord-clone-42bfe.
i Firebase ios app com.example.threadCloneFlutter is not registered on Firebase project discord-clone-42bfe.
i Registered a new Firebase ios app on Firebase project discord-clone-42bfe.
? Generated FirebaseAppID file S:\Flutter\thread-clone-flutter\ios\firebase_app_id_file.json already exists, do you want to override it? · yes
? The google-services.json file already exists but for a different Firebase project (thread-clone-tutorial). Do you want to replace it with Firebase project discord-clone-42bfe? · yes
? The google-services.json file already exists but for a different Firebase project (thread-clone-tutorial). Do you want to replace it with Firebase project discord-clone-42bfe? · yes
? The google-services.json file already exists but for a different Firebase project (thread-clone-tutorial). Do you want to replace it with Firebase project discord-clone-42bfe? · yes

Firebase configuration file lib\firebase_options.dart generated successfully with the following Firebase apps:

Platform  Firebase App Id
android   1:969782907837:android:f9d1f3eaa99c955175f8d4
ios       1:969782907837:ios:28196051d80f51a375f8d4

Learn more about using this file and next steps from the documentation:
> https://firebase.google.com/docs/flutter/setup
PS S:\Flutter\thread-clone-flutter>
```

To create Database



✓ Set name and location

2 Secure rules

After you define your data structure, you will need to write rules to secure your data.
[Learn more](#)

☐ Start in **production mode**

Your data is private by default. Client read/write access will only be granted as specified by your security rules.

☒ Start in **Test mode**

Your data is open by default to enable quick setup. However, you must update your security rules within 30 days to enable long-term client read/write access.

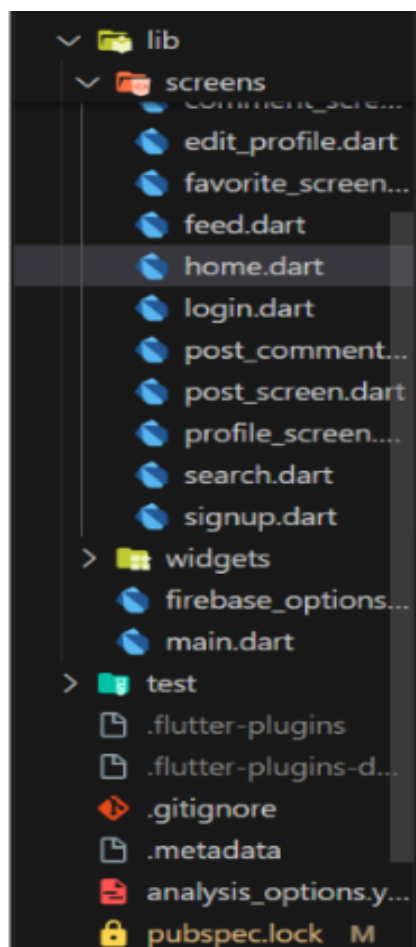
```
rules_version = '2';

service cloud.firestore {
  match /databases/{database}/documents {
    match /{document=**} {
      allow read, write: if
        request.time < timestamp.date(2024, 3, 13);
    }
  }
}
```



 The default security rules for test mode allow anyone with your database reference to view, edit and delete all data in your database for the next 30 days

Cancel Create

Folder Structure:



Authentication of User

Authentication				
Users	Sign-in method	Templates	Usage	Settings Extensions
<div><div><div></div><div>Search by email address, phone number or user UID</div></div><div>Add user</div><div><div></div><div></div></div></div>				
Identifier	Providers	Created ↓	Signed in	User UID
pankajd.pd19@gmail.c...		13 Feb 2024	13 Feb 2024	kWManqhgizXsAl78fgxvzHFU...
harshitad.hd213@gmai...		13 Feb 2024	16 Feb 2024	eLxdgG4ysDfpUUrgRoiQwvbw...
Rows per page 50 1 – 2 of 2				

users > f3KcdnaAEJRw...			More in Google Cloud
(default)	users	f3KcdnaAEJRwJEmyhSGG1qG2pDa2	
+ Start collection	+ Add document	+ Start collection	
users	B4ovaQgc7IPh46kAyyvna	+ Add field	
	FuSCpAv8cYXP	cart_count: "00"	
	Vv87Wu6G1lNct3HFfbjNkvAcIP12	email: "mahek@gmail.com"	
	f3KcdnaAEJRwJEmyhSGG1qG2pDa2	id: "f3KcdnaAEJRwJEmyhSGG1qG2pDa2"	
	fqp78uG5sN0YR3Og4DQAA39TUYs1	imageUrl: "https://firebasestorage.googleapis.com/v0/b/myntre-a7f53.appspot.com/o/images%2Ff3KcdnaAEJRwJEmyhSGG1qG2pDa2?alt=media&token=f06cebd8-8028-43e8-960b-f0d77da061f7"	
	i5YYNkLdAvTMDWFjN0YLYm6hsU13	name: "mahek"	
		order_count: "00"	
		password: "123456"	
		wishlist_count: "00"	

CONCLUSION

I have successfully implemented my application with the firebase