

Experiment 6

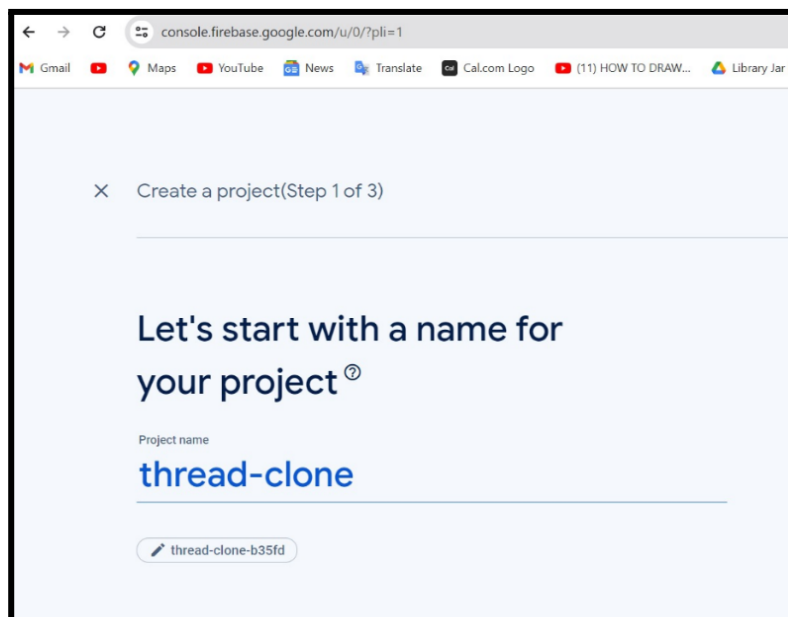
Aim: To Connect Flutter UI with fireBase database

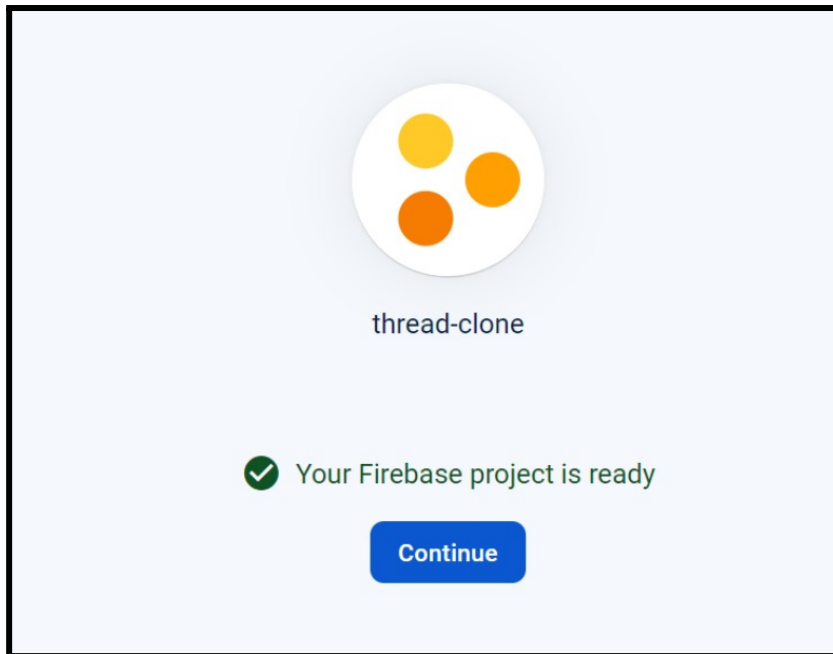
Theory:

- 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:

```
Visit this URL on this device to log in:
https://accounts.google.com/o/oauth2/auth?client_id=563584335869-fgrhgm47bqnekij5i8b5pr03ho849e6.apps.googleusercontent.c
ail%20openid%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloudplatformprojects.readonly%20https%3A%2F%2Fwww.googleapis.com
irebase%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform&response_type=code&state=177746748&redirect_uri=http%3A
host%3A9005

Waiting for authentication...

+ Success! Logged in as harshitad.hd213@gmail.com
PS E:\Flutter Projects\my_app> firebase login
PS E:\Flutter Projects\my_app> flutterfire configure
i Found 1 Firebase projects.
✓ Select a Firebase project to configure your Flutter application with · thread-clone-b35fd (thread-clone)
✓ Which platforms should your configuration support (use arrow keys & space to select)? · android, ios, macos, web
i Firebase android app com.example.my_app is not registered on Firebase project thread-clone-b35fd.
i Registered a new Firebase android app on Firebase project thread-clone-b35fd.
i Firebase ios app com.example.myApp is not registered on Firebase project thread-clone-b35fd.
i Registered a new Firebase ios app on Firebase project thread-clone-b35fd.
```

To create Database

Create database

1 Set name and location

2 Secure rules

Database ID

(default)

Location

asia-south1 (Mumbai)

Your location setting is where your Cloud Firestore data will be stored

!

After you set this location, you cannot change it later. Also, if this is your first database, this location setting will be the location for your default Cloud Storage bucket.

Learn more

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);
    }
  }
}

```

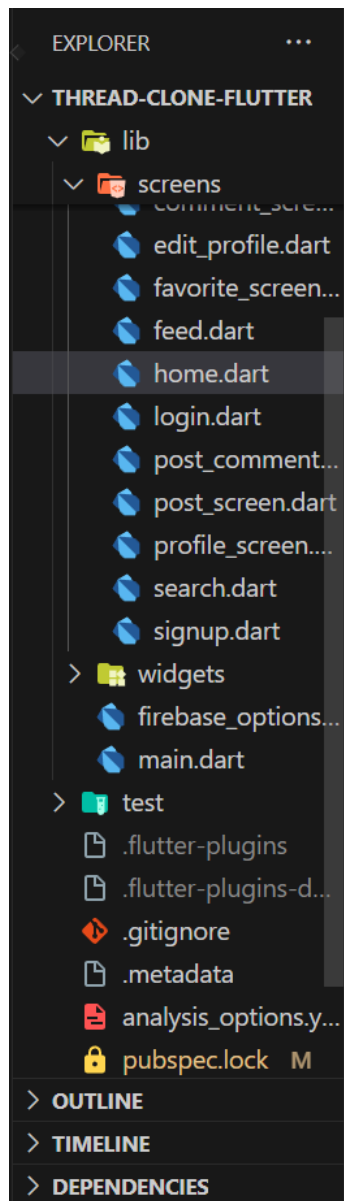
!

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

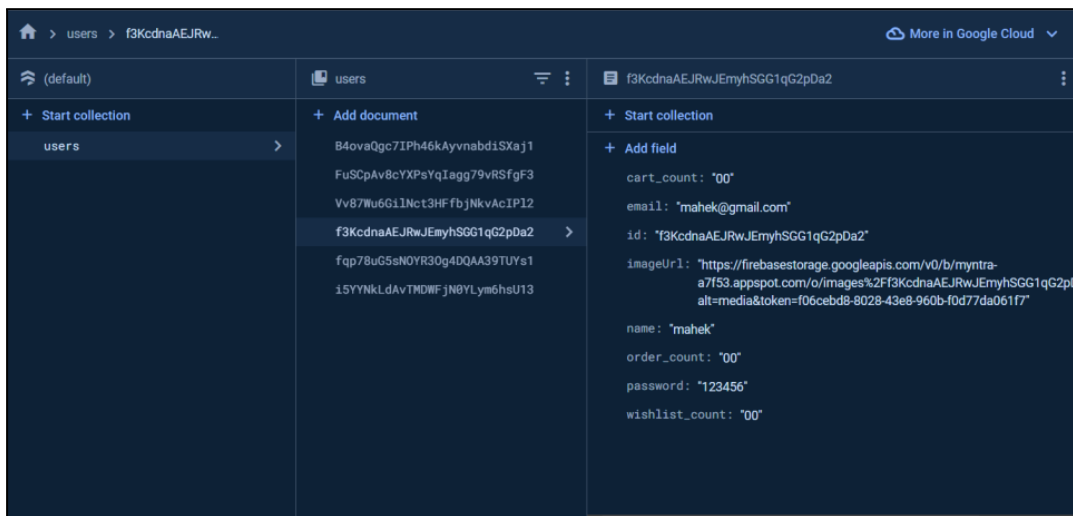
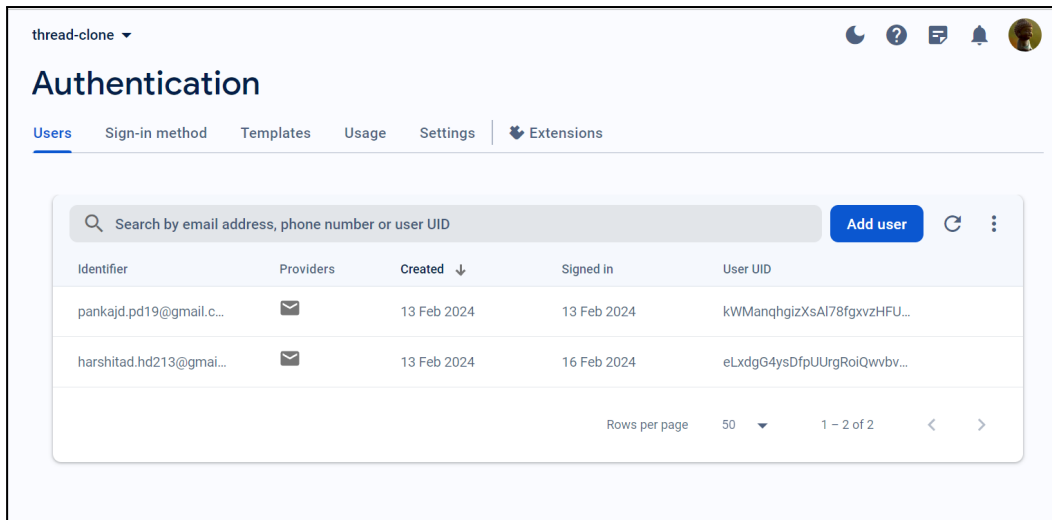
Cancel

Create

Folder Structure:



Authentication of User



CONCLUSION

I have successfully my application with the firebase