Experiment 6

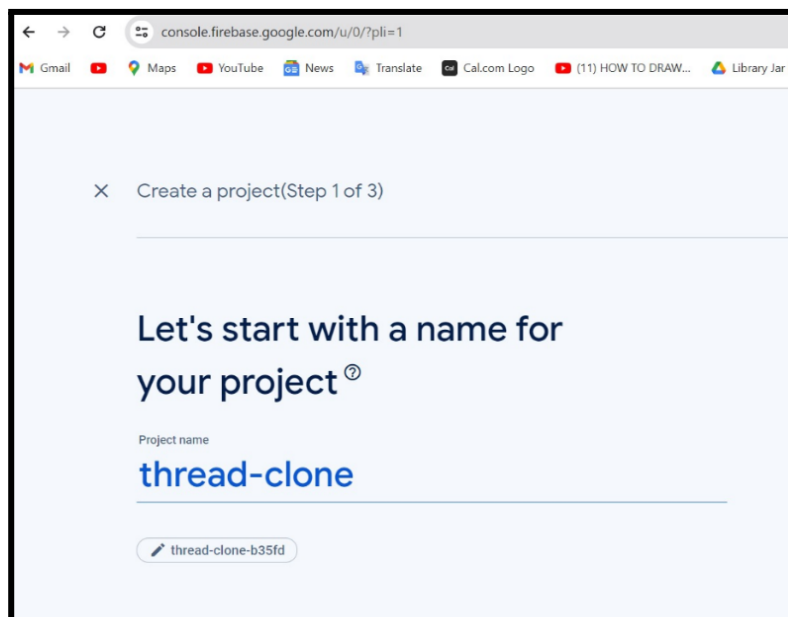## Aim: To Connect Flutter UI with fireBase database
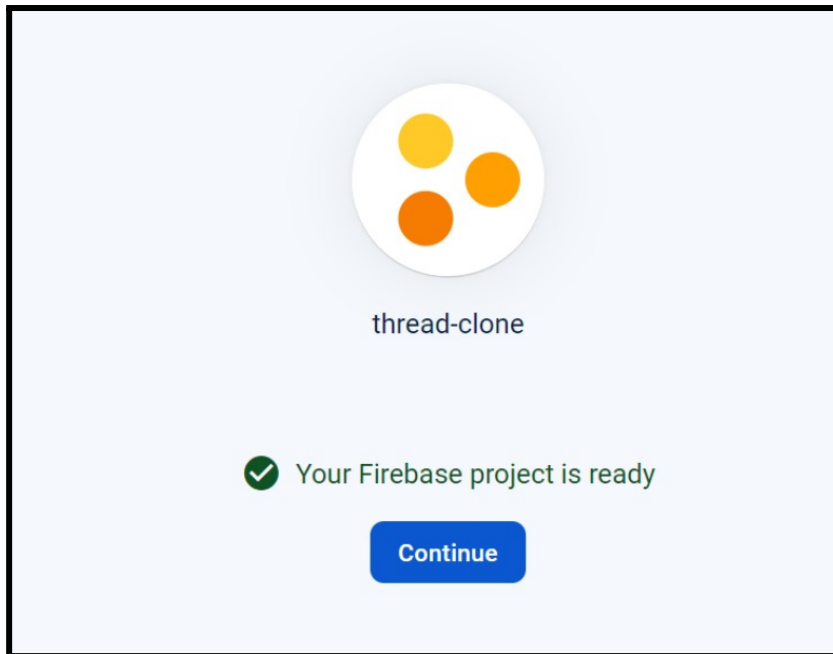
Theory:

- 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:

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);
    }
  }
}
```
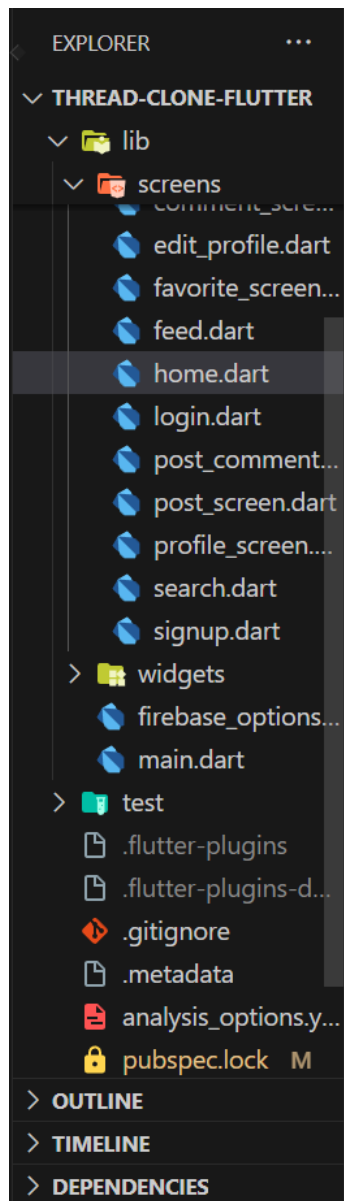
⚠ The default security rules for test mode allow anyone with your database reference to view, edit and delete all data in your database for the next 30 days
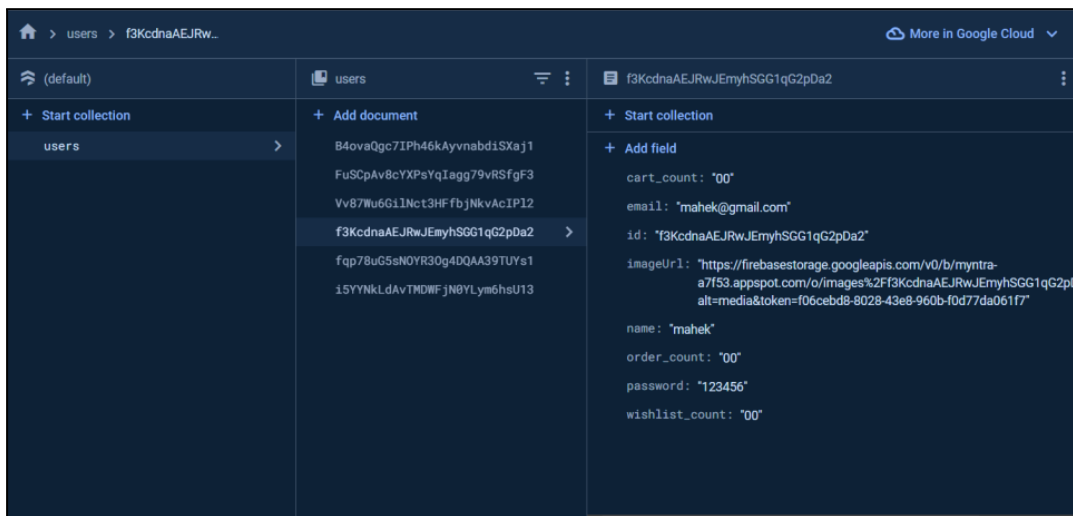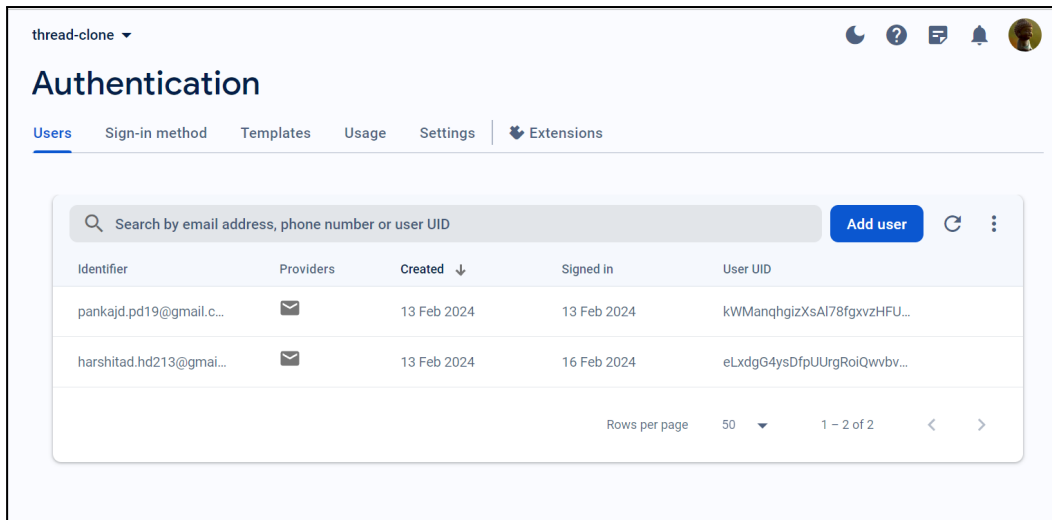
Cancel   **Create**

Folder Structure:

Authentication of User

CONCLUSION

I have successfully my application with the firebase