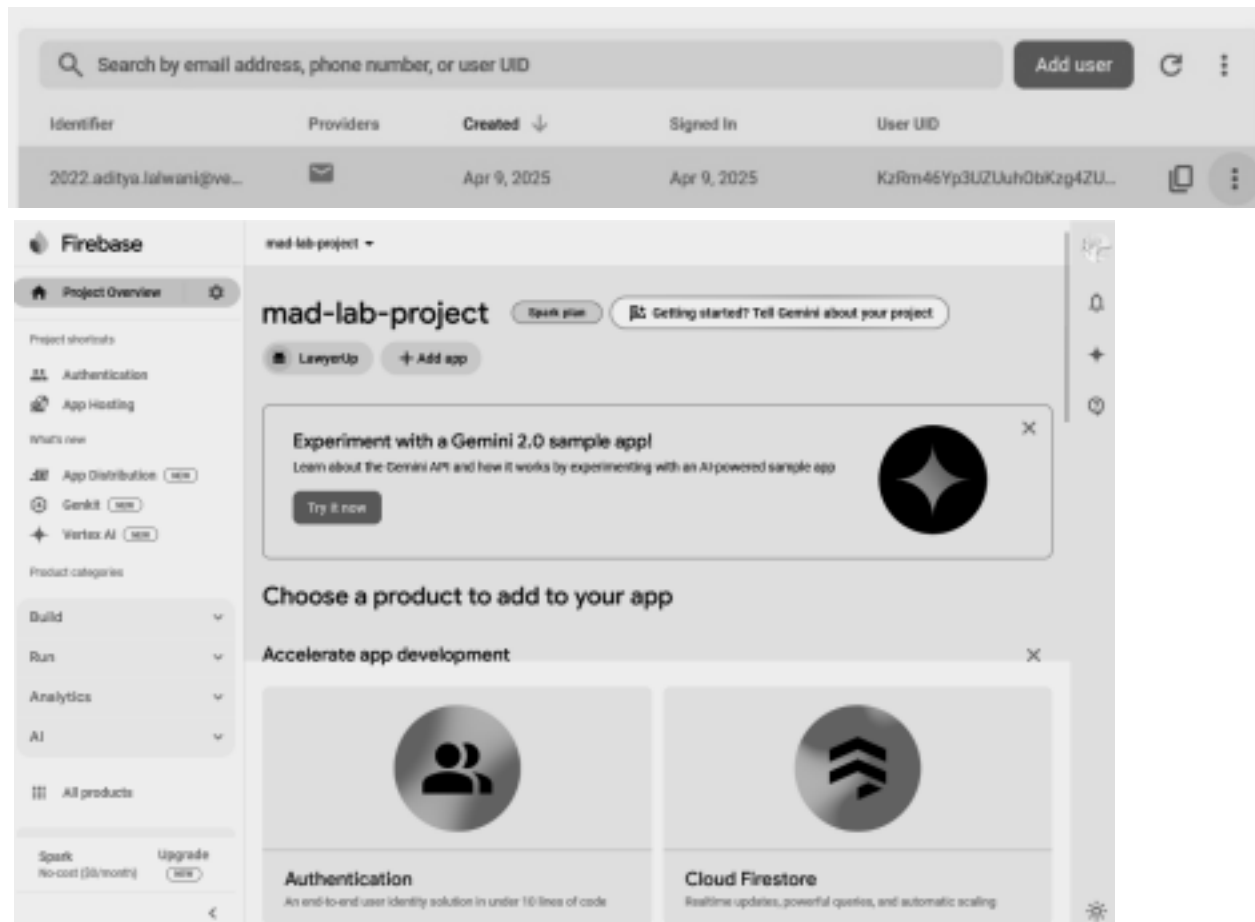| Experiment 6	
Name	Bhavisha Khotwani
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DOP	
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Aim: Setup Firebase for android and ios app.

Theory: Firebase is a Backend-as-a-Service (BaaS) platform provided by Google that supports mobile and web app development. It offers services like authentication, cloud storage, Firestore (a NoSQL database), analytics, and more.
 To connect Flutter with Firebase:

1. Create a Firebase project on the Firebase Console.

2. Register your iOS and Android apps.

3. Download the google-services.json (Android) and GoogleService-Info.plist (iOS).

4. Add Firebase dependencies to your Flutter project using flutterfire_cli or manually via pubspec.yaml.

5. Initialize Firebase in your main function using Firebase.initializeApp()

Output:

Conclusion: Firebase integration enables powerful backend features in a Flutter app with minimal setup. By configuring Firebase for both Android and iOS, we unlock cloud-powered capabilities like real-time databases, user authentication, and cloud messaging, making development faster and more scalable.