EXPERIMENT 6	
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Class_Roll no	D15C_8
DOP	
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Grade	
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Aim:To set up Firebase with Flutter for iOS and Android Apps.

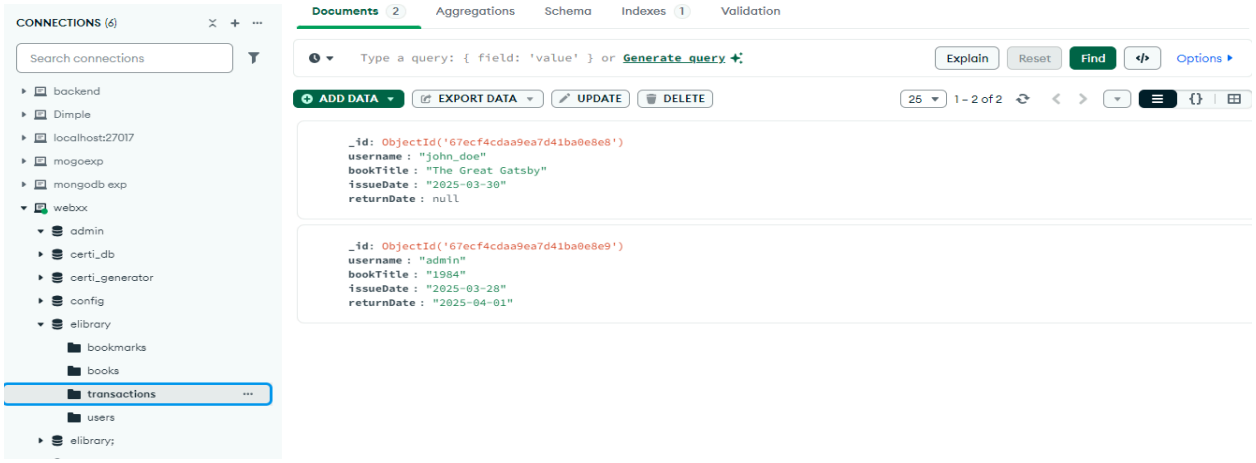
Github link:https://github.com/dimpledalwani/mpl.git

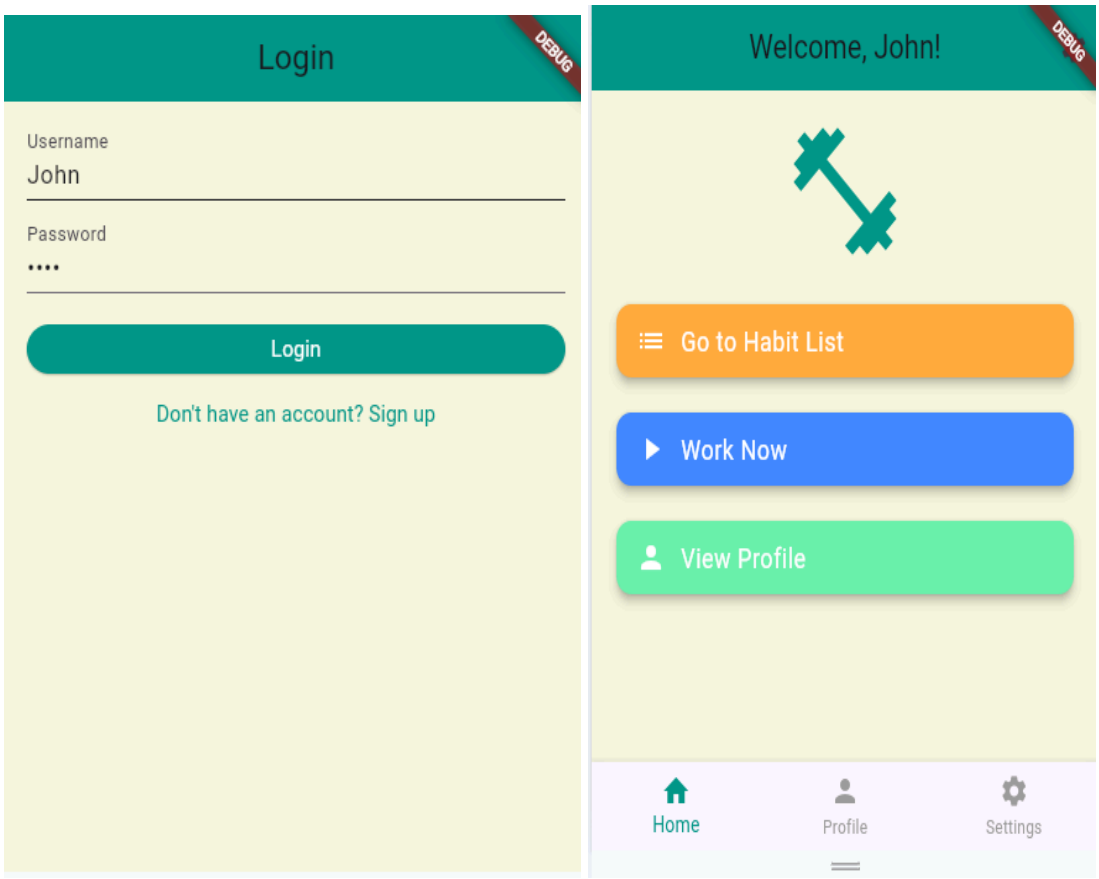
Theory:The aim of **setting up Firebase with Flutter** is successfully achieved in the **FitSync app**, providing robust backend support for **user authentication** and **data storage**. By integrating Firebase, the app benefits from a reliable and scalable cloud-based platform that simplifies the management of user accounts and habit-related data across both **Android and iOS** devices.

Firebase Authentication is used to handle **user signups and logins**, offering secure and streamlined access. It validates credentials and manages user sessions efficiently, ensuring that only authenticated users can access personalized content. The app also leverages **Firebase Firestore** (or Realtime Database) to **store, retrieve, and sync habit data** in real time, enabling a smooth and consistent experience across devices.

This integration not only enhances the security and reliability of the app but also supports **scalability**, allowing the app to grow with an increasing user base. By using Firebase, FitSync ensures real-time updates, secure data handling, and a unified backend infrastructure, laying a solid foundation for expanding features and maintaining a responsive and connected user experience.

Output:





Conclusion:In conclusion, setting up Firebase with Flutter in the FitSync app successfully enabled secure authentication and backend support for both Android and iOS platforms. With Firebase Authentication integrated, users can sign up and log in seamlessly, ensuring that their habit data is securely stored and managed. This integration establishes a reliable cloud-based infrastructure, making the app scalable, secure, and ready for real-world deployment.