EXPERIMENT 4	
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DOP	
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Aim:To create an interactive Form using form widget

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

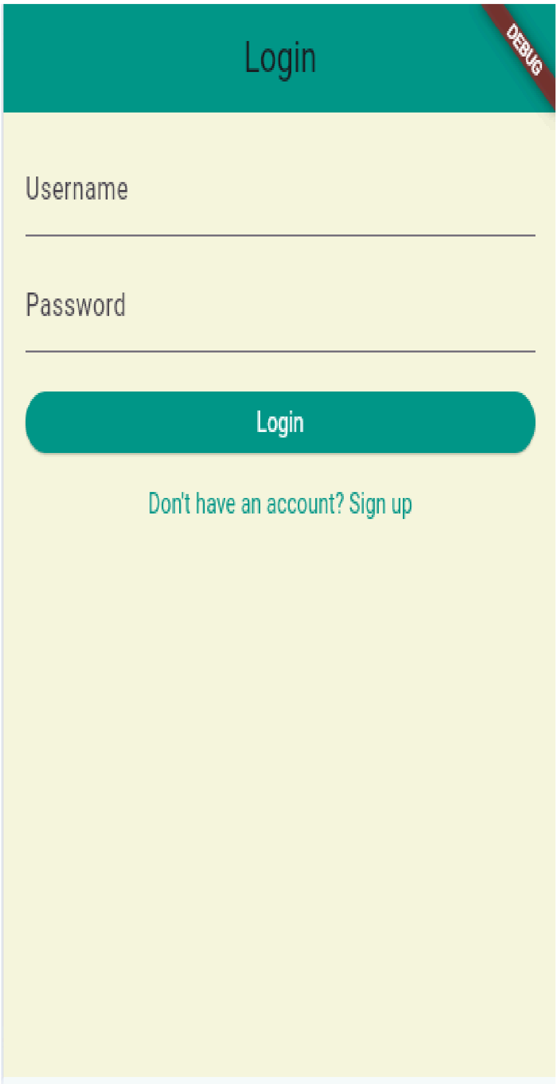
Theory :The aim **"To create an interactive Form using the Form widget"** is effectively implemented in the **FitSync app** through its user authentication process. The AuthPage utilizes the Form widget to gather essential user information such as **username, email, and password** in a structured and user-friendly manner.

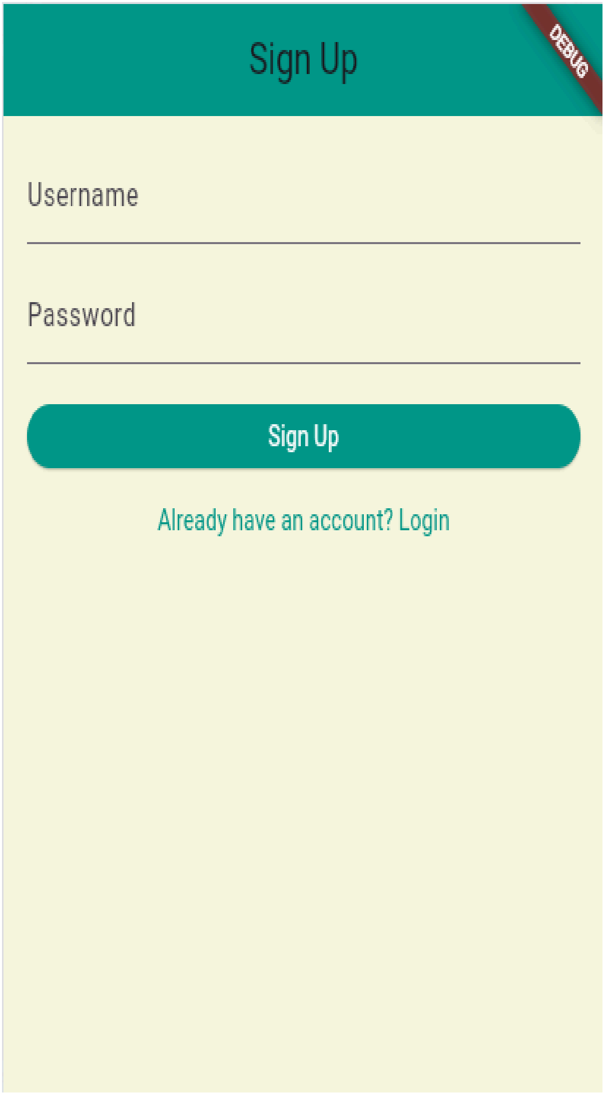
Inside the form, multiple TextFormField widgets are used to accept input, each equipped with **validation logic** to ensure users enter valid data. For example, the email field checks for proper formatting, and the password field may enforce minimum length or character requirements. This helps prevent errors and guides users in real-time as they fill out the form.

Interactive buttons are also included to **submit the form or navigate** between login and signup screens, enhancing the overall flow. The combination of validation, feedback, and clear navigation makes the form highly interactive and user-focused.

Overall, this implementation showcases Flutter's form handling capabilities and highlights how thoughtful UI design can improve user experience by ensuring a **smooth, reliable, and intuitive registration and login process**.

Output:





Conclusion:In conclusion, the FitSync app effectively utilizes the Form widget to create interactive and user-friendly authentication forms. By incorporating input fields with validation and submission logic, the app ensures accurate data collection and smooth user interaction. This implementation highlights the importance of form handling in building secure and responsive Flutter applications.