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### EXP 4

# AIM: To create an interactive Form using form widget

# **Description:**

The form in this RegistrationPage consists of three input fields for user information:

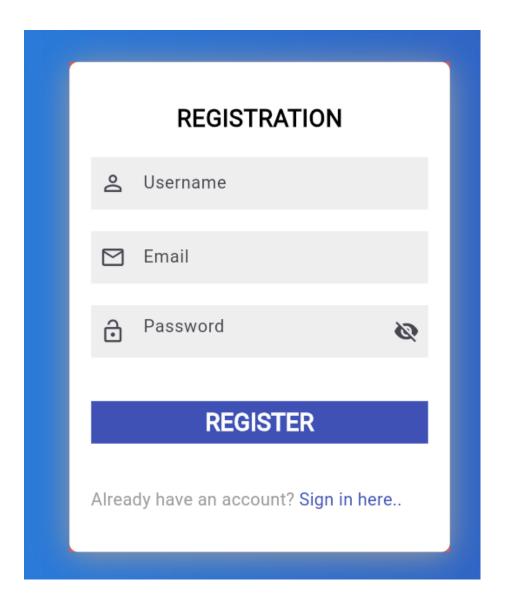
Username Field -> Takes user input for the username. Uses a TextEditingController (authProvider.name) to manage the input.

Email Field -> Collects the user's email address.Managed using authProvider.email.

Password Field -> Uses a custom password input field (PasswordField).Connected to authProvider.password. It includes password visibility toggle for user convenience.

Form Behavior & Submission -> Users enter their details in the input fields.On clicking the "REGISTER" button. It calls authProvider.signUp(), which likely sends the data for authentication. If registration fails, a Snackbar (Registration failed!) is shown. On success, it clears the fields and navigates to the login page.

#### **Screenshot:**



**Conclusion:** In this experiment, we created an interactive form using Flutter's Form widget. By combining input fields like TextFormField with validation logic and submission handling, we built a user-friendly and responsive form. This demonstrates Flutter's ability to manage form state effectively, making it easy to collect and validate user input.

## **Github Link:**

https://github.com/VedantDhoke/flutter\_store/blob/main/lib/pages/registration/registration.dart