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### **MPL 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:**

← Register

## Create Account

Username

Email

Password

Confirm Password

Register

Already have an account? [Login](#)

**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/kaushalcracks/whatsapp\\_clone/blob/main/lib/screens/contact\\_list\\_screen.d  
art](https://github.com/kaushalcracks/whatsapp_clone/blob/main/lib/screens/contact_list_screen.dart)