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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:

The image shows a registration form titled "REGISTRATION" centered at the top. Below the title are three input fields, each with a light gray background and a white border. The first field is labeled "Username" with a person icon on the left. The second field is labeled "Email" with an envelope icon on the left. The third field is labeled "Password" with a lock icon on the left and a toggle icon (an eye with a diagonal line) on the right. Below these fields is a solid blue button with the word "REGISTER" in white, bold, uppercase letters. At the bottom of the form, there is a line of text: "Already have an account? [Sign in here..](#)". The entire form is enclosed in a white rounded rectangle with a blue border.

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