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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 with a blue border. The form is titled "REGISTRATION" in bold black text. It contains three input fields: "Username" with a person icon, "Email" with an envelope icon, and "Password" with a lock icon and a toggle eye icon. Below the fields is a blue "REGISTER" button. At the bottom, there is a link that says "Already have an account? Sign in here..".

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