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Exp 4 :To create an interactive Form using form widget

Aim:

To create an interactive and validated input form using the Form widget in Flutter

Theory:

Forms are essential UI components in most mobile applications, used for collecting user input such as login details, feedback, registration, or checkout information.

Flutter provides the **Form widget** along with TextFormField and validation methods to create structured and interactive forms.

Key Components:

- 1. Form Widget:
 - Acts as a container for form fields.
 - Provides easy validation and saving of user input.

2. GlobalKey<FormState>:

 Used to uniquely identify the form and manage its state (validation, reset, submit).

3. TextFormField:

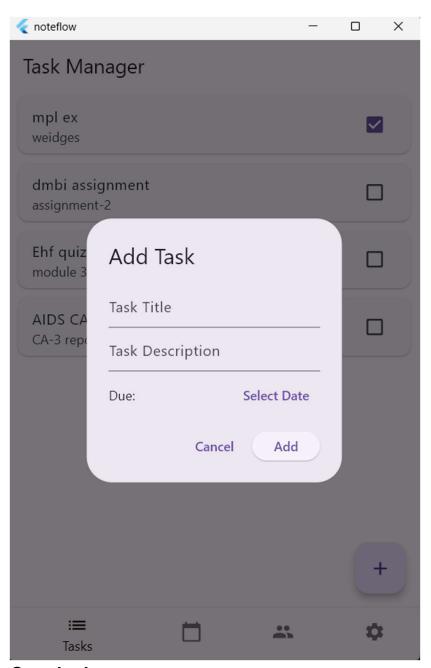
Input field that supports validation and user interaction.

4. Validation:

}

Each field can have a validator function to check the input.

Creating a well-structured form ensures a smooth and consistent user experience and prevents invalid or incomplete submissions.



Conclusion:

By creating an interactive form using Flutter's Form widget, we enable structured data input and real-time validation in our application. This enhances the usability and reliability of the app, especially for scenarios like login, signup, or checkout in an E-

commerce app. The use of form state and validators ensures that the data collected is complete and accurate before processing, resulting in a more professional and user-friendly interface.