Experiment - 4

Aim : To create an interactive Form using form widget

Theory :

Flutter Forms

Forms are an integral part of all modern mobile and web applications. It is mainly used to interact with the app as well as gather information from the users. They can perform many tasks, which depend on the nature of your business requirements and logic, such as authentication of the user, adding user, searching, filtering, ordering, booking, etc.

Some Properties of Form Widget

- key: A GlobalKey that uniquely identifies the Form. You can use this key to interact with the form, such as validating, resetting, or saving its state.
- child: The child widget that contains the form fields. Typically, this is a Column, ListView, or another widget that allows you to arrange the form fields vertically.
- autovalidateMode: An enum that specifies when the form should automatically validate its fields.

Code :

//login_screen.dart

```
import 'package:flutter/material.dart';
import 'package:gmeet_clone/Utils/UIhelper.dart';
import 'package:gmeet_clone/widgets/custom_button.dart';

class LoginScreen extends StatefulWidget {
  const LoginScreen({Key? key}) : super(key: key);

  @override
  State<LoginScreen> createState() => _LoginScreenState();
}

class _LoginScreenState extends State<LoginScreen> {
TextEditingController emailController=TextEditingController();
TextEditingController passwordController=TextEditingController();

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Login Page"),
        centerTitle: true,
```

```dart
      ),
      body: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
        UIhelper.CustomTextField(emailController, "Email", Icons.mail, false),
        UIhelper.CustomTextField(passwordController, "Password", Icons.password, true),
        const SizedBox(height: 30),
        CustomButton(text: "Login", onPressed: () { }),
          const SizedBox(height: 20),
          Row(
            mainAxisAlignment: MainAxisAlignment.center,
            children: [
            Text("Already Have an Account?", style: TextStyle(fontSize: 16),),
            TextButton(onPressed: (){}, child: Text("Sign Up",style: TextStyle(fontSize: 20,
fontWeight: FontWeight.w300)))
            ]
          )
      ],),
    );
  }
}


//UIhelper.dart
import 'package:flutter/cupertino.dart';
import 'package:flutter/material.dart';

class UIhelper{
  static CustomTextField(TextEditingController controller, String text, IconData iconData,bool
toHide){
    return Padding(
      padding: const EdgeInsets.symmetric(horizontal: 25, vertical: 15),
      child: TextField(
        controller: controller,
        obscureText: toHide,
        decoration: InputDecoration(
          hintText: text,
          suffixIcon: Icon(iconData),
          border: OutlineInputBorder(
            borderRadius: BorderRadius.circular(25)
          )
        ),
      ),
    );
```

```
  }
}
```