

Name: Ronit Santwani
Class:D15A Roll
No:48

MPL LAB-2

Aim: To design flutter UI using common widgets

Code :

```
import 'package:flutter/material.dart';

class LoginScreen extends StatefulWidget {
  @override
  _LoginScreenState createState() => _LoginScreenState();
}

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

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.black, // Dark background
      body: Center( child: Padding(
        padding: EdgeInsets.symmetric(horizontal: 20),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.min,
          children: [ Text( "Login",
            style: TextStyle( fontSize: 32,
              fontWeight: FontWeight.bold,
              color: Colors.limeAccent,
            ),
          ),
        ],
      ),
    ),
  ),
);
```

```

        SizedBox(height: 20),
        _buildTextField(
          controller:
            emailController,
            label:
              "Email",
            icon:
              Icons.email_outlined,
        ),
        SizedBox(height: 15),
        _buildTextField(
          controller:
            passwordController,
            label:
              "Password",
            icon:
              Icons.lock_outline,
          isPassword: true,
        ),
        SizedBox(height: 10),
        Align(
          alignment: Alignment.centerRight,
          child: TextButton(
            onPressed: ()
              {},
            child: Text(
              "Forget
              Password",
              style: TextStyle(color: Colors.limeAccent),
            ),
          ),
        ),
        SizedBox(height: 10),
        ElevatedButton(
          onPressed: ()
            {},
            style:
              ElevatedButton.styleFrom(
                backgroundColor: Colors.black,
                padding: EdgeInsets.symmetric(vertical:
                  14, horizontal: 100),
                shape:
                  RoundedRectangleBorder(
                    borderRadius: BorderRadius.circular(8),

```

```

        ),
    ),
    child:
    Text(
    "Login",
        style: TextStyle(color: Colors.limeAccent),
    ),
    ),
    SizedBox(height: 20),
    TextButton(
    onPressed: () {},
        child:
    Text.rich(
        TextSpan(
            text: "Create a New Account ? ",
            style: TextStyle(color: Colors.limeAccent),
            children: [
                TextSpan(
                    text:
    "Sign Up",
                    style: TextStyle(
    fontWeight: FontWeight.bold,
                    color:
    Colors.limeAccent,
                ),
            ),
        ],
    ),
    ),
    ],
    ),
    ),
    );
}

```

```

Widget _buildTextField({
    required
TextEditingController controller,
    required

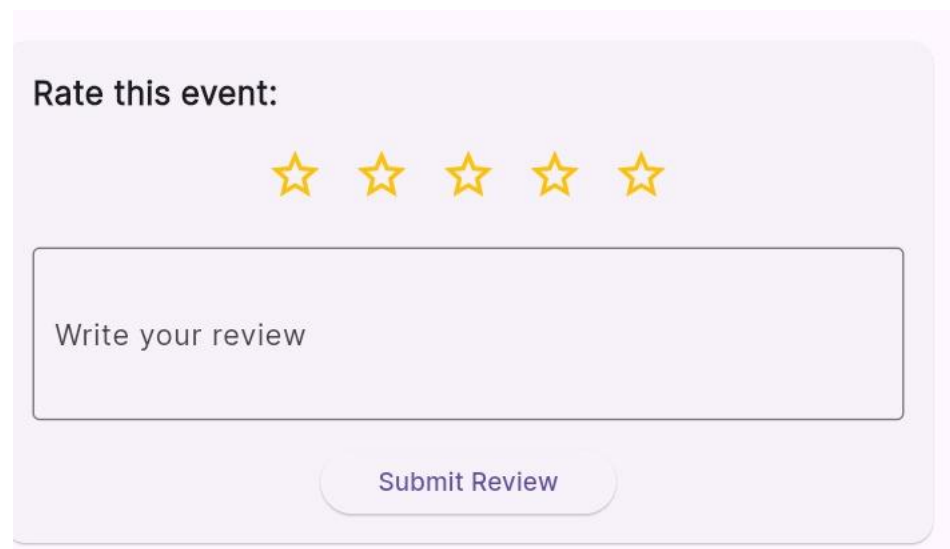
```

```

String label,      required IconData icon,
bool isPassword = false,
  }) {
    return TextField(      controller:
controller,      obscureText:
isPassword,      decoration:
InputDecoration(
      filled: true,      fillColor:
Colors.limeAccent,      prefixIcon: Icon(icon,
color: Colors.black),      labelText: label,
      labelStyle: TextStyle(color: Colors.black),
border: OutlineInputBorder(      borderRadius:
BorderRadius.circular(12),      borderSide:
BorderSide.none,
    ),
  ),
);
}
}

```

Output:



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