

Experiment 2

Aim: To design flutter UI using common widgets

Code :

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

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

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

  void loginUser(BuildContext context) async {
    setState(() => isLoading = true);
    try {
      await Provider.of<AuthProvider>(context, listen: false)
        .login(emailController.text, passwordController.text);
      Navigator.pushReplacementNamed(context, '/home');
    } catch (e) {
      ScaffoldMessenger.of(context).showSnackBar(
        SnackBar(
          content: Text("Login Failed: ${e.toString()}"),
          backgroundColor: Colors.redAccent,
        ),
      );
    }
    setState(() => isLoading = false);
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Container(
        width: double.infinity,
        decoration: BoxDecoration(
          gradient: LinearGradient(
            begin: Alignment.topCenter,
            end: Alignment.bottomCenter,
            colors: [Colors.blueAccent, Colors.lightBlue.shade200],
          ),
        ),
      ),
    );
  }
}
```

```

child: Center(
  child: Padding(
    padding: EdgeInsets.all(20.0),
    child: Card(
      shape: RoundedRectangleBorder(
        borderRadius: BorderRadius.circular(20),
      ),
      elevation: 8,
      color: Colors.white,
      child: Padding(
        padding: EdgeInsets.all(25.0),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.min,
          children: [
            SizedBox(height: 20),
            Text(
              "Welcome Back!",
              style: TextStyle(
                fontSize: 24,
                fontWeight: FontWeight.bold,
                color: Colors.blueAccent,
              ),
            ),
            SizedBox(height: 20),
            _buildTextField(
              controller: emailController,
              label: "Email",
            ),
            SizedBox(height: 15),
            _buildTextField(
              controller: passwordController,
              label: "Password",
              isPassword: true,
            ),
            SizedBox(height: 20),
            isLoading
              ? CircularProgressIndicator()
              : ElevatedButton(
                  onPressed: () => loginUser(context),
                  child: Text("Login"),
                  style: ElevatedButton.styleFrom(
                    padding: EdgeInsets.symmetric(vertical: 12, horizontal: 60),
                    backgroundColor: Colors.transparent, // Make background transparent
                    side: BorderSide(color: Colors.blueAccent), // Optional: Adds a border to the button
                  ),
                ),
            SizedBox(height: 15),
            TextButton(
              onPressed: () {}, // Add forgot password logic
              child: Text(

```

```

        "Forgot Password?",
        style: TextStyle(color: Colors.blueAccent),
      ),
    ),
  ],
),
),
),
),
),
),
),
),
);
}

```

```

Widget _buildTextField(
  {required TextEditingController controller, required String label, bool isPassword = false}) {
  return TextField(
    controller: controller,
    obscureText: isPassword,
    decoration: InputDecoration(
      labelText: label,
      filled: true,
      fillColor: Colors.white,
      contentPadding: EdgeInsets.symmetric(horizontal: 20, vertical: 14),
      border: OutlineInputBorder(
        borderRadius: BorderRadius.circular(12),
        borderSide: BorderSide(color: Colors.blueAccent),
      ),
      enabledBorder: OutlineInputBorder(
        borderRadius: BorderRadius.circular(12),
        borderSide: BorderSide(color: Colors.blueAccent.shade100),
      ),
      focusedBorder: OutlineInputBorder(
        borderRadius: BorderRadius.circular(12),
        borderSide: BorderSide(color: Colors.blueAccent, width: 2),
      ),
    ),
  );
}
}

```

Output:

localhost:8025/#/login

Welcome Back!

Email

Password

Login

Forgot Password?