

MAD & PWA Lab

Journal

Experiment No.	02
Experiment Title.	To design Flutter UI by including common widgets.
Roll No.	20
Name	Madhura Jangale
Class	D15A
Subject	MAD & PWA Lab
Lab Outcome	LO2: Design and Develop interactive Flutter App by using widgets, layouts, gestures and animation
Grade:	

Aim:

To design Flutter UI by including common widgets.

Program:

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

```
void main() {  
  runApp(MyApp());  
}
```

```
class MyApp extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return MaterialApp(  
      debugShowCheckedModeBanner: false,  
      home: LoginPage(),  
    );  
  }  
}
```

```
class LoginPage extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      body: Stack(  
        children: [  
          Container(  
            decoration: BoxDecoration(  
              image: DecorationImage(  
                image: AssetImage('assets/pinkbg.jpg'), // Add a maroon silk texture  
                fit: BoxFit.cover,  
              ),  
            ),  
        ],  
      ),  
    );  
  }  
}
```

```

),
Padding(
  padding: EdgeInsets.only(top: 40, right: 20),
  child: Align(
    alignment: Alignment.topRight,
    child: TextButton(
      onPressed: () {},
      child: Text(
        "Skip",
        style: TextStyle(color: Colors.white, fontSize: 16),
      ),
    ),
  ),
),
Align(
  alignment: Alignment.bottomCenter,
  child: Container(
    padding: EdgeInsets.all(20),
    decoration: BoxDecoration(
      color: Colors.white,
      borderRadius: BorderRadius.only(
        topLeft: Radius.circular(20),
        topRight: Radius.circular(20),
      ),
    ),
  ),
  child: Column(
    mainAxisAlignment: MainAxisAlignment.min,
    children: [
      Text(
        "NYKAA FASHION",
        style: TextStyle(
          fontSize: 20,
          fontWeight: FontWeight.bold,
          color: Colors.pink,
        ),
      ),
      SizedBox(height: 10),
      Text(
        "Login or Signup",

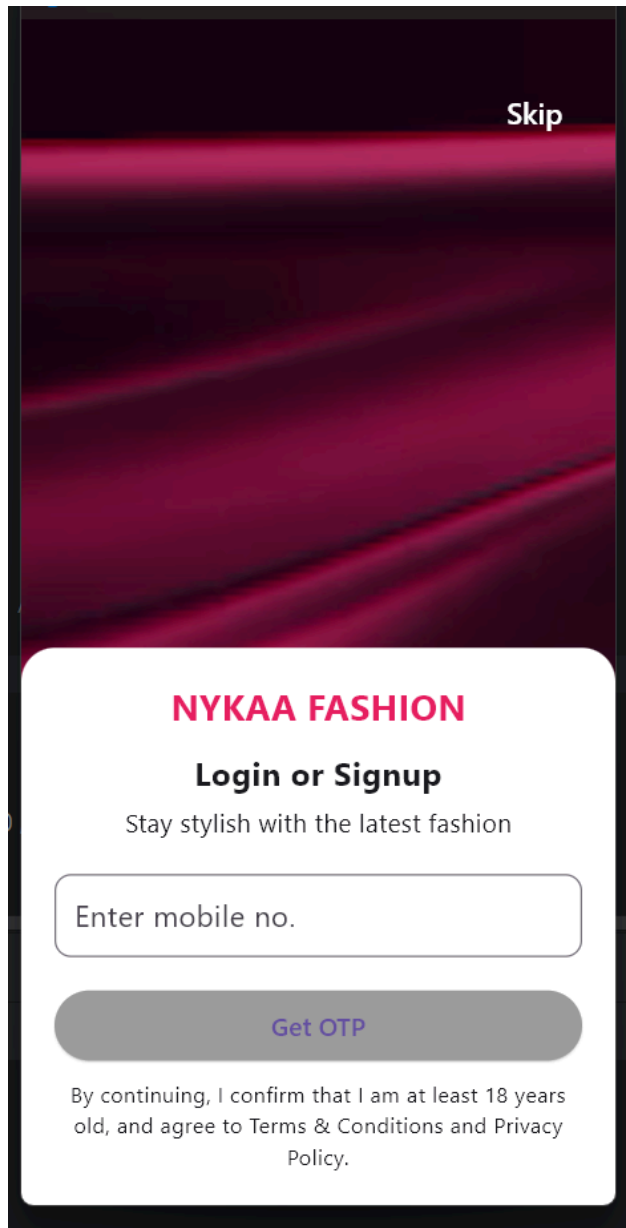
```

```

        style: TextStyle(fontSize: 18, fontWeight: FontWeight.bold),
    ),
    SizedBox(height: 5),
    Text("Stay stylish with the latest fashion"),
    SizedBox(height: 20),
    TextField(
        keyboardType: TextInputType.phone,
        decoration: InputDecoration(
            border: OutlineInputBorder(
                borderRadius: BorderRadius.circular(10),
            ),
            hintText: "Enter mobile no.",
        ),
    ),
    SizedBox(height: 20),
    ElevatedButton(
        onPressed: () {},
        style: ElevatedButton.styleFrom(
            backgroundColor: Colors.grey,
            minimumSize: Size(double.infinity, 50),
        ),
        child: Text("Get OTP"),
    ),
    SizedBox(height: 10),
    Text(
        "By continuing, I confirm that I am at least 18 years old, and agree to Terms &
Conditions and Privacy Policy.",
        textAlign: TextAlign.center,
        style: TextStyle(fontSize: 12),
    ),
],
),
),
),
],
),
);
}
}

```

Output:



Common widgets used-

1. Scaffold
 - The main structure of the screen.
 - Provides the base layout like body.
2. Stack
 - Places widgets on top of each other (background image, button, and login form).

3. Container
 - Used for styling and layout purposes (background image, white login box).
4. BoxDecoration
 - Adds styling inside Container (background image, rounded corners).
5. DecorationImage
 - Used inside BoxDecoration to set an image as a background.
6. Align
 - Positions widgets at specific places (Skip button at the top-right, login box at the bottom).
7. Padding
 - Adds spacing around widgets.
8. TextButton
 - Used for the "Skip" button.
9. Column
 - Arranges widgets vertically inside the login box.
10. Text
 - Displays static text (NYKAA FASHION, Login or Signup, Stay stylish...).
11. SizedBox
 - Adds empty space between widgets.
12. TextField
 - Takes user input (mobile number).
13. InputDecoration
 - Adds a border and placeholder text (Enter mobile no.) inside TextField.
14. OutlineInputBorder
 - Provides a border for the TextField.
15. ElevatedButton
 - The "Get OTP" button.
16. TextStyle
 - Used to style text (color, font size, weight).
17. BorderRadius
 - Rounds corners of the white login box.

