

**Aim:** To design Flutter UI by including common widgets.

**Common Widgets:**

- **Scaffold:** Provides a basic screen structure with AppBar, Body, BottomNavigationBar.
- **AppBar:** Displays the page title and action buttons.
- **BottomNavigationBar:** Adds a navigation bar at the bottom.
- **SingleChildScrollView:** Allows scrolling when content overflows the screen.
- **Column:** Arranges widgets vertically.
- **Row:** Arranges widgets horizontally.
- **Center :**Centers content on the screen.
- **Padding :**Adds space around widgets.
- **SizedBox :**Adds empty space between widgets.
- **Container :**Used for styling elements (e.g., cards, backgrounds).
- **Form :**Wraps input fields to enable validation.
- **GlobalKey<FormState> :**Manages form state for validation.
- **TextFormField :**Input fields for email and password.
- **InputDecoration :**Adds styling like icons, labels, and borders inside TextFormField.
- **ElevatedButton :**For the Log in button.
- **TextButton :**For Forgot Password and Sign Up links.
- **GestureDetector :**Used to make tappable areas.
- **Text :** Displays plain text (e.g., "Questions", "The questions has not asked yet!").
- **Icon :** Displays icons (e.g., Icons.email, Icons.lock, Icons.home).
- **Image.asset :**Displays the Stack Overflow logo from assets.
- **SvgPicture.asset :**Displays an SVG image (useful for logos).
- **BoxDecoration :**Used inside Container for background color, border radius, and shadows.
- **BoxShadow :**Adds shadows to create a floating card effect.
- **Divider :**Adds a horizontal line to separate sections.
- **Navigator.push() :**Navigates from LoginPage to HomePage.
- **MaterialPageRoute :**Defines the transition animation when navigating to a new page.
- **StatefulWidget (if needed):** Used when the UI needs to update dynamically.
- **StatelessWidget:** Used for static pages like login and home screens.

## Code:

```
import
'package:flutter/material.dart';
class HomePage extends
StatelessWidget {
  @override
  Widget build(BuildContext
context) {
    return Scaffold(
      backgroundColor:
Colors.purple.shade50,
      appBar: AppBar(
        backgroundColor:
Colors.white,
        elevation: 1,
        title: const Text(
          "Questions",
          style:
TextStyle(color: Colors.black,
fontSize: 18, fontWeight:
FontWeight.bold),
        ),
        actions: [
          TextButton(
            onPressed: () {
              // Navigate to the Ask
Question page
            },
            child: const Text(
              "Ask Question",
              style:
TextStyle(color: Colors.purple,
fontWeight: FontWeight.bold),
            ),
            ),
          const SizedBox(width:
10),
        ],
      ),
      body: Center(
        child: Container(
          padding: const
EdgeInsets.all(20),
          margin: const
EdgeInsets.symmetric(horizontal:
24),
```

```
        decoration:
BoxDecoration(
          color: Colors.white,
          borderRadius:
BorderRadius.circular(12),
          boxShadow: [
            BoxShadow(
              color:
Colors.black12,
              blurRadius: 10,
              spreadRadius: 2,
            ),
          ],
        ),
        child: const Text(
          "The questions has not
asked yet!",
          style:
TextStyle(fontSize: 16,
fontWeight: FontWeight.bold),
        ),
      ),
      bottomNavigationBar:
BottomNavigationBar(
        backgroundColor:
Colors.white,
        selectedItemColor:
Colors.orange,
        unselectedItemColor:
Colors.grey,
        showUnselectedLabels: true,
        items: const [
          BottomNavigationBarItem(
            icon:
Icon(Icons.home),
            label: "Home",
          ),
          BottomNavigationBarItem(
            icon:
Icon(Icons.person),
            label: "Profile",
          ),
```

```
BottomNavigationBarItem(                                ],  
    icon:                                                ),  
    Icon(Icons.settings), // Added                      },  
    Settings Icon                                       }  
    label: "Settings",  
    ),
```

**Output:**




## Questions

Ask Question

DEBUG

The questions has not asked yet!

  
Home

  
Profile

  
Settings




## Questions

Ask Question

DEBUG

The questions has not asked yet!

  
Home

  
Profile

  
Settings