MAD PWA LAb 2

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Aim: To design Flutter UI by including common widgets.

Widgets:
1. Column
2. Row
3. Stack
4. Container
5. Padding
6. Sizedboxe
7. Textfield
8. Richtext

Code:

```dart
import 'package:flutter/material.dart';
import 'dart:ui' as ui;
void main() {
 runApp(const MyApp());
}

class MyApp extends StatelessWidget {
 const MyApp({Key? key}) : super(key: key);

 @override
 Widget build(BuildContext context) {
   return MaterialApp(
     home: HomePage(),
   );
 }
}

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

 @override
 State<HomePage> createState() => _HomePageState();
```

```dart
}

class _HomePageState extends State<HomePage> {
 @override
 Widget build(BuildContext context) {
   return Scaffold(body: LoginScreen());
 }
}

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

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

class _LoginScreenState extends State<LoginScreen> {
 @override
 Widget build(BuildContext context) {
   return Padding(
     padding: const EdgeInsets.all(5.0),
     child: Stack(
       children: [
         Column(
           mainAxisAlignment: MainAxisAlignment.start,
           crossAxisAlignment: CrossAxisAlignment.start,
           children: [
             Stack(
               children: [
                 Container(
                   color: Colors.blueAccent,
                   height: 40.0,
                   width: double.infinity,
                   margin: const EdgeInsets.only(top: 50.0),
                 ),
                 Positioned(
                   left: 150.0,
                   top: 50.0 + (30.0 - 16.0) / 2,
                   child: Text(
                     "FlipKart",
                     style: TextStyle(
                       color: Colors.white,
                       fontSize: 16.0,
                       fontWeight: FontWeight.bold,
                     ),
                   ),

                 ),
                 SizedBox(width: 8.0), // Add some space between text and image
```

```dart
            Positioned(
              top: 53.0,
              left: 215.0,
              child: Image.asset(
                'assets/flipkartlogo.jpg', // Replace with your image path
                height: 30.0,
                width: 30.0,

                // color: Colors.white,
              ),
            ),
          ],
        ),
        Padding(
          padding: const EdgeInsets.only(left: 10.0, top: 15.0),
          child: Text(
            "Log in for the best experience",
            style: TextStyle(
              color: Colors.black,
              fontSize: 20.0,
              fontWeight: FontWeight.bold,
            ),
          ),
        ),
        Padding(
          padding: const EdgeInsets.only(left: 10.0, top: 1.0),
          child: Text(
            "Enter your phone number to continue",
            style: TextStyle(
              color: Colors.grey,
              fontSize: 14.0,
            ),
          ),
        ),
        Padding(
          padding: const EdgeInsets.only(left: 20.0, top: 30.0, right:
20.0),
          child: Container(
            decoration: BoxDecoration(
              border: Border.all(color: Colors.blueAccent),
              borderRadius: BorderRadius.circular(8.0),
            ),
            child: TextField(
              decoration: InputDecoration(
                hintText: 'Mobile Number',
                hintStyle: TextStyle(color: Colors.grey),
                border: InputBorder.none,
                contentPadding: EdgeInsets.all(15.0),
              ),
```

```dart
              ),
            ),
          ),
          Padding(
            padding: const EdgeInsets.only(left: 260.0, top: 5),
            child: Text(
              "Use Email-ID",
              style: TextStyle(
                color: Colors.blue[800],
                fontSize: 15.0,
                fontWeight: FontWeight.bold,
              ),
            ),
          ),
          Padding(
            padding: const EdgeInsets.only(left: 20.0, top: 30.0, right:
20.0),
            child: Container(
              decoration: BoxDecoration(
                border: Border.all(color: Colors.blueAccent),
                borderRadius: BorderRadius.circular(8.0),
              ),
              child: TextField(
                decoration: InputDecoration(
                  hintText: 'First Name',
                  hintStyle: TextStyle(color: Colors.grey),
                  border: InputBorder.none,
                  contentPadding: EdgeInsets.all(15.0),
                ),
              ),
            ),
          ),
          Padding(
            padding: const EdgeInsets.only(left: 20.0, top: 10.0, right:
20.0),
            child: Container(
              decoration: BoxDecoration(
                border: Border.all(color: Colors.blueAccent),
                borderRadius: BorderRadius.circular(8.0),
              ),
              child: TextField(
                decoration: InputDecoration(
                  hintText: 'Last Name',
                  hintStyle: TextStyle(color: Colors.grey),
                  border: InputBorder.none,
                  contentPadding: EdgeInsets.all(15.0),
                ),
              ),
            ),
```
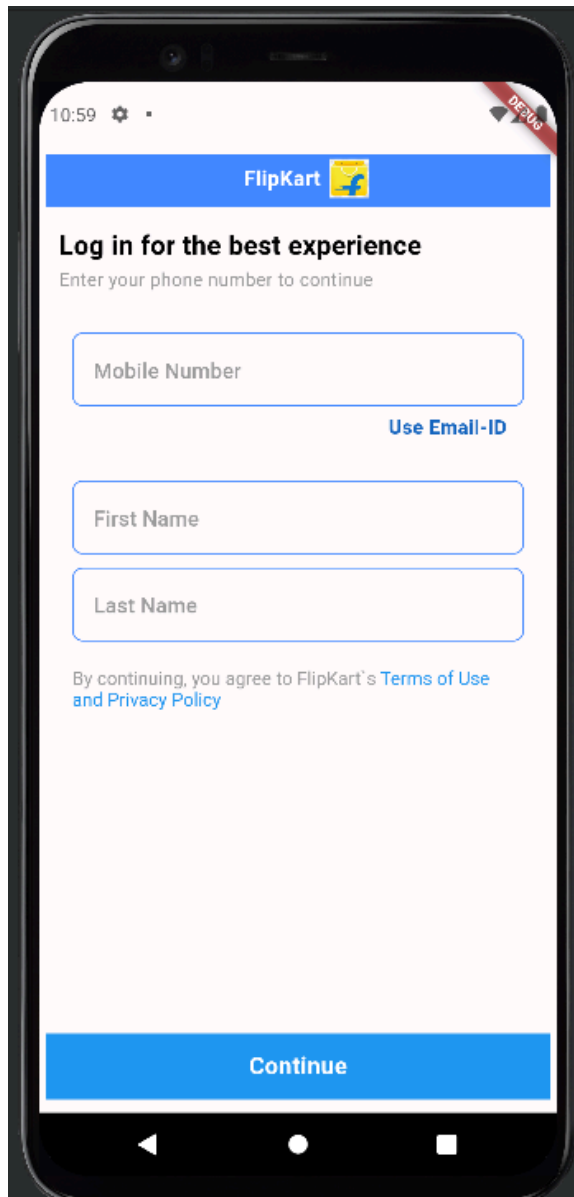
```
            ),
            Padding(
              padding: const EdgeInsets.only(left: 20.0, top: 20.0, right:
20.0),
              child: RichText(
                text: TextSpan(
                  text: 'By continuing, you agree to FlipKart`s ',
                  style: TextStyle(color: Colors.grey),
                  children: [
                    TextSpan(
                      text: 'Terms of Use and Privacy Policy',
                      style: TextStyle(color: Colors.blue),
                    ),
                  ],
                ),
              ),
            ),
          ],
        ),
        Positioned(
          left: 0,
          right: 0,
          bottom: 5,
          child: Container(
            color: Colors.blue,
            height: 50.0,
            child: Center(
              child: Text(
                'Continue',
                style: TextStyle(
                  color: Colors.white,
                  fontSize: 18.0,
                  fontWeight: FontWeight.bold,
                ),
              ),
            ),
          ),
        ),
      ],
    ),
  );
 }
}
```

Output:

Conclusion:
Thus we studied how to design UI using common widgets.