Mobile Application Development Lab
CSL-341

Lab Journal
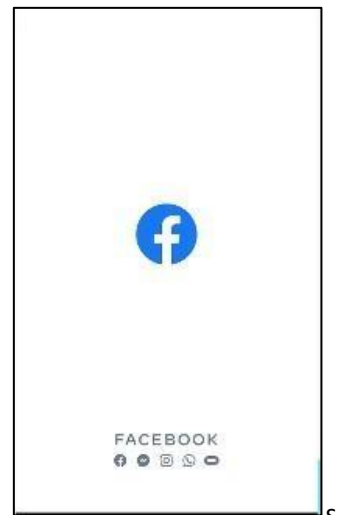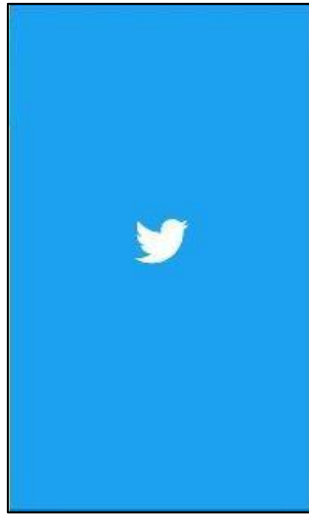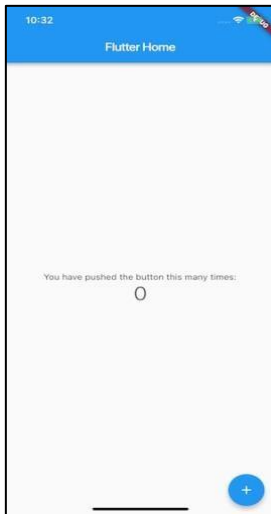
Abdullah Irshad

01-134222-052

BSCS6B

Tasks

1. Design following screens of Flutter application using custom widgets:

s

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

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

```dart
class MyApp extends StatelessWidget {
  const MyApp({super.key});

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(

        colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
        useMaterial3: true,
      ),
      home: const MyHomePage(title: 'Flutter Demo Home Page'),
    );
  }
}

class MyHomePage extends StatefulWidget {
  const MyHomePage({super.key, required this.title});



  final String title;

  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  int _counter = 0;

  void _incrementCounter() {
    setState(() {

      _counter++;
    });
  }

  @override
  Widget build(BuildContext context) {

    return Scaffold(
      appBar: AppBar(
```

```dart
            backgroundColor: Theme.of(context).colorScheme.inversePrimary,

          title: Text(widget.title),
        ),
        body: Center(

          child: Column(

            mainAxisAlignment: MainAxisAlignment.center,
            children: <Widget>[
              const Text(
                'You have pushed the button this many times:',
              ),
              Text(
                '$_counter',
                style: Theme.of(context).textTheme.headlineMedium,
              ),
            ],
          ),
        ),
        floatingActionButton: FloatingActionButton(
onPressed: _incrementCounter,        tooltip:
'Increment',
          child: const Icon(Icons.add),
        ),    );
  }
}
S
```

Flutter Demo Home Page

You have pushed the button this many times:

0

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {
const MyApp({super.key});

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

class TwitterSplashScreen extends StatelessWidget {
const TwitterSplashScreen({super.key});

  @override
  Widget build(BuildContext context) {    return
Scaffold(      backgroundColor: const
Color(0xFF1DA1F2),      body: Center(
child: Image.network(

'https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.pngegg.com%2Fen%2Fpng-bbtjg&psig=AOvVaw24mSufgAlbXMOBx7MHbgR-&ust=1742062599319000&source=images&cd=vfe&opi=89978449&ved=0CBQQjRxqFwoTCNDEyIiXiowDFQAAAAAdAAAAABAG', // Replace with a valid Twitter logo URL
width: 50,        height: 50,        color: Colors.white,        errorBuilder: (context,
error, stackTrace) {
        return const Icon(
Icons.error,          color:
Colors.white,          size:
50,
        );
      },
    ),
```

```
    ),
  );
 }
}
```



```
import 'package:flutter/material.dart'; import
'package:flutter_svg/flutter_svg.dart'; // Import the SVG package

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

```dart
class MyApp extends StatelessWidget {
  const MyApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: const SplashScreen(),
    );
  }
}

class SplashScreen extends StatelessWidget {
  const SplashScreen({super.key});

  @override
  Widget build(BuildContext context) {
    return Scaffold(      backgroundColor:
Colors.white,      body: Column(
        mainAxisAlignment: MainAxisAlignment.center,
children: [      const Spacer(),      Center(
child: Image.network(

'https://static.vecteezy.com/system/resources/previews/018/930/476/non_2x/face
book-logo-facebook-icon-transparent-free-png.png',
          width: 100,
height: 100,
        ),
      ),
      const Spacer(),      Column(
children: [      const Text(
"FACEBOOK",      style: TextStyle(
fontSize: 16,      fontWeight:
FontWeight.bold,
letterSpacing: 2,      color:
Colors.black54,
          ),
```

```dart
          ),
          const SizedBox(height: 8),
Row(
            mainAxisAlignment: MainAxisAlignment.center,
children: [
              Icon(Icons.facebook, color: Colors.black54),
const SizedBox(width: 8),

              Icon(Icons.link, color: Colors.black54),
            ],
          ),
          const SizedBox(height: 20),
        ],
      ),
    ],
  ),
  );
 }
}


s
```

FACEBOOK

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

```dart
void main() {
  runApp(const ScoreCounterApp());
}

class ScoreCounterApp extends StatelessWidget {
  const ScoreCounterApp({super.key});

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

class ScoreCounterScreen extends StatelessWidget {
  const ScoreCounterScreen({super.key});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text('Court Counter'),
        backgroundColor: Colors.orange,
        centerTitle: true,
      ),
      body: Column(
        children: [
          Expanded(
            child: Row(
              children: [
                // Team A Section
                Expanded(
                  child: Container(
                    decoration: const BoxDecoration(
                      border: Border(
                        right: BorderSide(color: Colors.black, width: 1),
                      ),
                    ),
```

```dart
            child: Column(
                          mainAxisAlignment:
MainAxisAlignment.center,              children: [
const Text(
                          'Team A',                  style:
TextStyle(                    fontSize: 24,
fontWeight: FontWeight.bold,
                ),
                ),                  const Text(
'0',              style: TextStyle(
fontSize: 48,                  fontWeight:
FontWeight.bold,
                ),
                ),
                const SizedBox(height: 20),
ElevatedButton(                  onPressed: () {},
style: ElevatedButton.styleFrom(
minimumSize: const Size(150, 50),
backgroundColor: Colors.white,
foregroundColor: Colors.black,
                    side: const BorderSide(color: Colors.black),
                 ),
                 child: const Text('+3 POINTS'),
                ),
                const SizedBox(height: 10),
                ElevatedButton(
onPressed: () {},                  style:
ElevatedButton.styleFrom(
minimumSize: const Size(150, 50),
backgroundColor: Colors.white,
foregroundColor: Colors.black,
                    side: const BorderSide(color: Colors.black),
                 ),
                 child: const Text('+2 POINTS'),
                ),
                const SizedBox(height: 10),
ElevatedButton(                  onPressed: () {},
style: ElevatedButton.styleFrom(
minimumSize: const Size(150, 50),
```

```dart
            backgroundColor: Colors.white,
            foregroundColor: Colors.black,
                    side: const BorderSide(color: Colors.black),
                  ),
                  child: const Text('FREE THROW'),
                ),
              ],
            ),
          ),
        ),
        // Team B Section
        Expanded(            child:
        Column(
              mainAxisAlignment: MainAxisAlignment.center,
          children: [            const Text(                'Team B',
          style: TextStyle(            fontSize: 24,
          fontWeight: FontWeight.bold,
                ),
                ),
        const Text(
                '0',                style:
        TextStyle(            fontSize: 48,
        fontWeight: FontWeight.bold,
                ),
                ),
                const SizedBox(height: 20),
        ElevatedButton(            onPressed: () {},
        style: ElevatedButton.styleFrom(
        minimumSize: const Size(150, 50),
        backgroundColor: Colors.white,
        foregroundColor: Colors.black,            side: const
        BorderSide(color: Colors.black),
                ),
                  child: const Text('+3 POINTS'),
                ),
                const SizedBox(height: 10),
        ElevatedButton(            onPressed: () {},
```

```dart
              style: ElevatedButton.styleFrom(
                minimumSize: const Size(150, 50),
                backgroundColor: Colors.white,
                foregroundColor: Colors.black,                side: const
                BorderSide(color: Colors.black),
              ),
                child: const Text('+2 POINTS'),
              ),
              const SizedBox(height: 10),
              ElevatedButton(                onPressed: () {},
                style: ElevatedButton.styleFrom(
                  minimumSize: const Size(150, 50),
                  backgroundColor: Colors.white,
                  foregroundColor: Colors.black,
                  side: const BorderSide(color: Colors.black),
                ),
                  child: const Text('FREE THROW'),
                ),
              ],
            ),
          ),
        ],
      ),
    ),
    // Reset Button        Padding(          padding:
    const EdgeInsets.only(bottom: 20),          child:
    ElevatedButton(          onPressed: () {},
      style: ElevatedButton.styleFrom(
        minimumSize: const Size(150, 50),
        backgroundColor: Colors.white,
        foregroundColor: Colors.black,          side: const
        BorderSide(color: Colors.black),
      ),
        child: const Text('RESET'),
      ),
    ),
  ],
```

```
      ),
    );
  }
}
```

Court Counter

Team A

0

+3 POINTS

+2 POINTS

FREE THROW

Team B

0

+3 POINTS

+2 POINTS

FREE THROW

RESET