

Mobile Application Development Lab

CSL-341

Lab Journal



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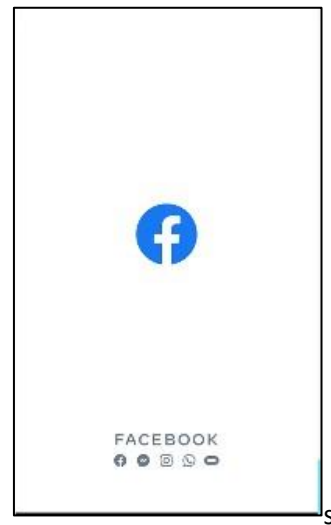
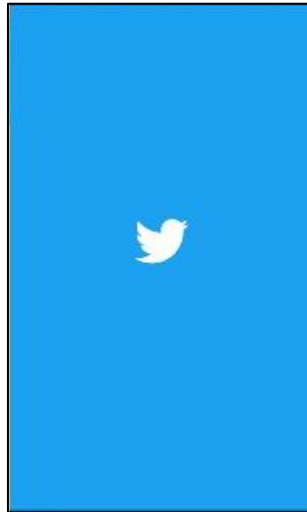
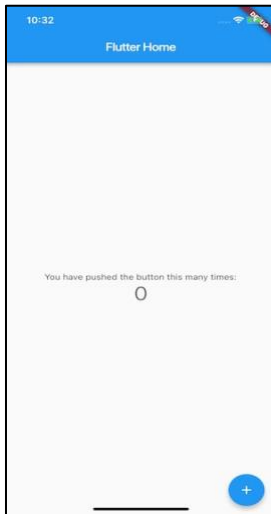
Enrollment No: 01-134222-006

SECTION: BSCS-6B

GitHub link : <https://github.com/AbdulWassay21/MadLab-Wassay>

Tasks

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



Code:

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

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

```

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(

```

```

        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

```

You have pushed the button this many times:

0



```
import 'package:flutter/material.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=0CBQQjRxq
FwoTCNDEyliXiowDFQAAAAAdAAAAABAG', // 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());  
}
```

```
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,  
            ),
```



```

    ),
    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';
```

```
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),
            ),
          ),
        ),
      ),
    ],
  ),
}
```

```

        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),

```

```

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: () {},

```

```

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

DEBUG

Team A

0

+3 POINTS

+2 POINTS

FREE THROW

Team B

0

+3 POINTS

+2 POINTS

FREE THROW

RESET