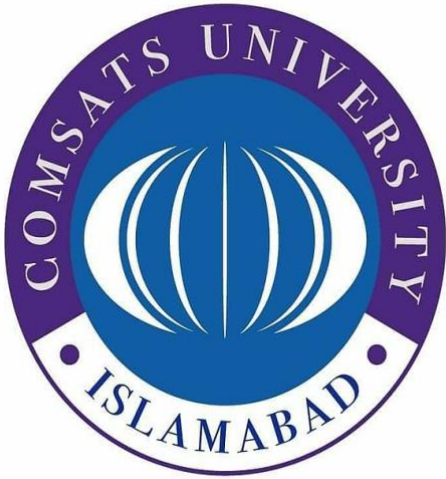


COMSATS University Islamabad (Vehari Campus)



Mobile Application Development (MAD)

Flutter Counter App

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Code For

Flutter Counter App

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

void main() => runApp(MyApp());

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'My App',
      theme: ThemeData(
        primarySwatch: Colors.deepPurple,
        visualDensity: VisualDensity.adaptivePlatformDensity,
      ),
      home: HomePage(),
    );
  }
}

class HomePage extends StatefulWidget {
  @override
  _HomePageState createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  int _currentCounterIndex = 0;
  List<int> _counters = [0, 0, 0];

  void _incrementCounter() {
    setState(() {
      _counters[_currentCounterIndex]++;
      ScaffoldMessenger.of(context).showSnackBar(
        SnackBar(content: Text('Counter $_currentCounterIndex incremented')),
      );
    });
  }

  void _decrementCounter() {
    setState(() {
      _counters[_currentCounterIndex]--;
      ScaffoldMessenger.of(context).showSnackBar(
        SnackBar(content: Text('Counter $_currentCounterIndex decremented')),
      );
    });
  }

  void _resetCounter() {
```

```

    setState(() {
      _counters[_currentCounterIndex] = 0;
      ScaffoldMessenger.of(context).showSnackBar(
        SnackBar(content: Text('Counter $_currentCounterIndex reset')),
      );
    });
  }
}

```

```

void _switchCounter(int index) {
  setState(() {
    _currentCounterIndex = index;
  });
}

```

```

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text('My App'),
    ),
    body: Center(
      child: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: <Widget>[
          Text(
            'Counter $_currentCounterIndex',
            style: Theme.of(context).textTheme.headline4,
          ),
          Text(
            '${_counters[_currentCounterIndex]}',
            style: Theme.of(context).textTheme.headline1,
          ),
          Row(
            mainAxisAlignment: MainAxisAlignment.spaceEvenly,
            children: [
              ElevatedButton(
                onPressed: _decrementCounter,
                child: Text('-'),
              ),
              ElevatedButton(
                onPressed: _incrementCounter,
                child: Text('+'),
              ),
            ],
          ),
          Row(
            mainAxisAlignment: MainAxisAlignment.spaceEvenly,
            children: [
              ElevatedButton(
                onPressed: _resetCounter,
                child: Text('Reset'),
              ),
              ElevatedButton(
                onPressed: () => _switchCounter(1),

```

```

        child: Text('User Counter 1'),
      ),
      ElevatedButton(
        onPressed: () => _switchCounter(2),
        child: Text('User Counter 2'),
      ),
    ),
  ),
),
),
),
);
}
}

```

Screenshot App

