**COMSATS University Islamabad**

**(Vehari Campus)**



**Mobile Application Development**

**(MAD)**

***Fluter Counter App***

**Submitted By:**

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**Reg No:**

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**Submitted To:**

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**Code For**

**Fluter 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'),**

**),**

**],**

**),**

**],**

**),**

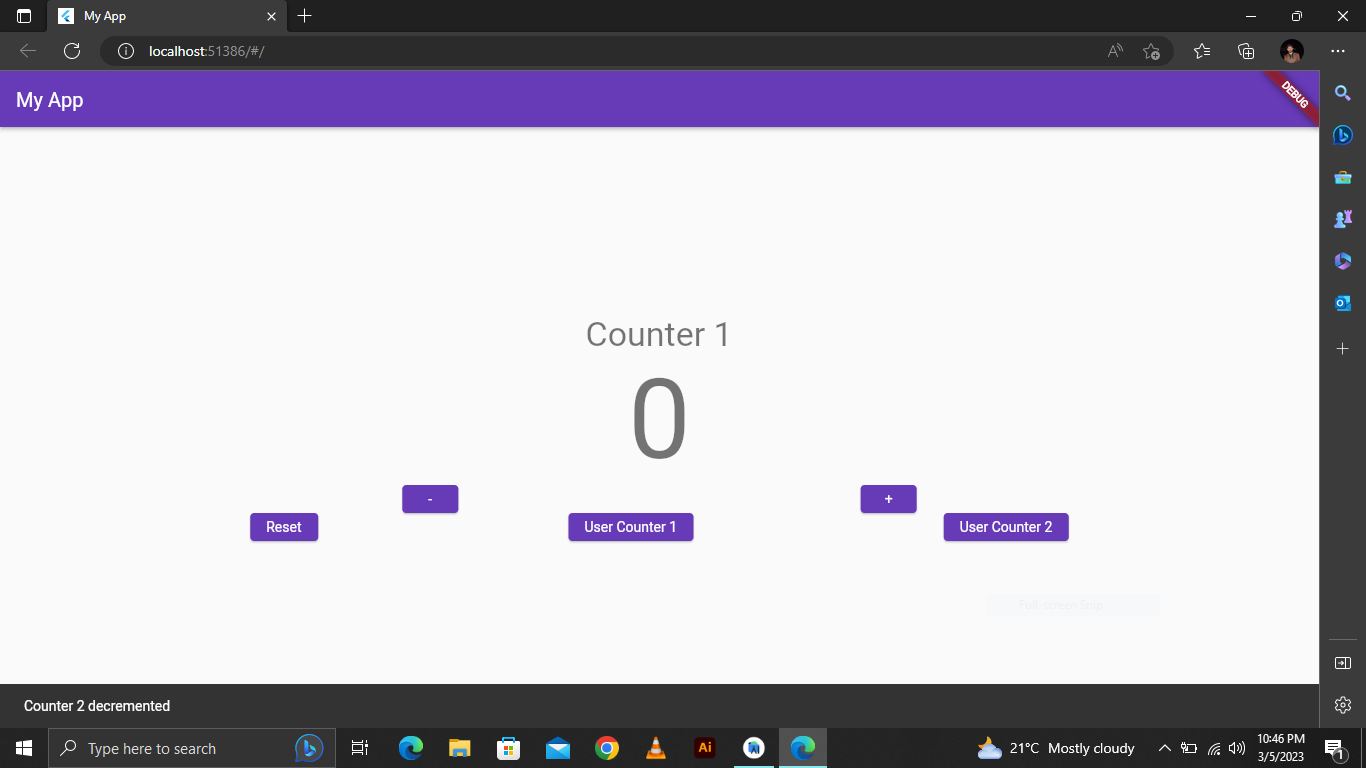
**),**

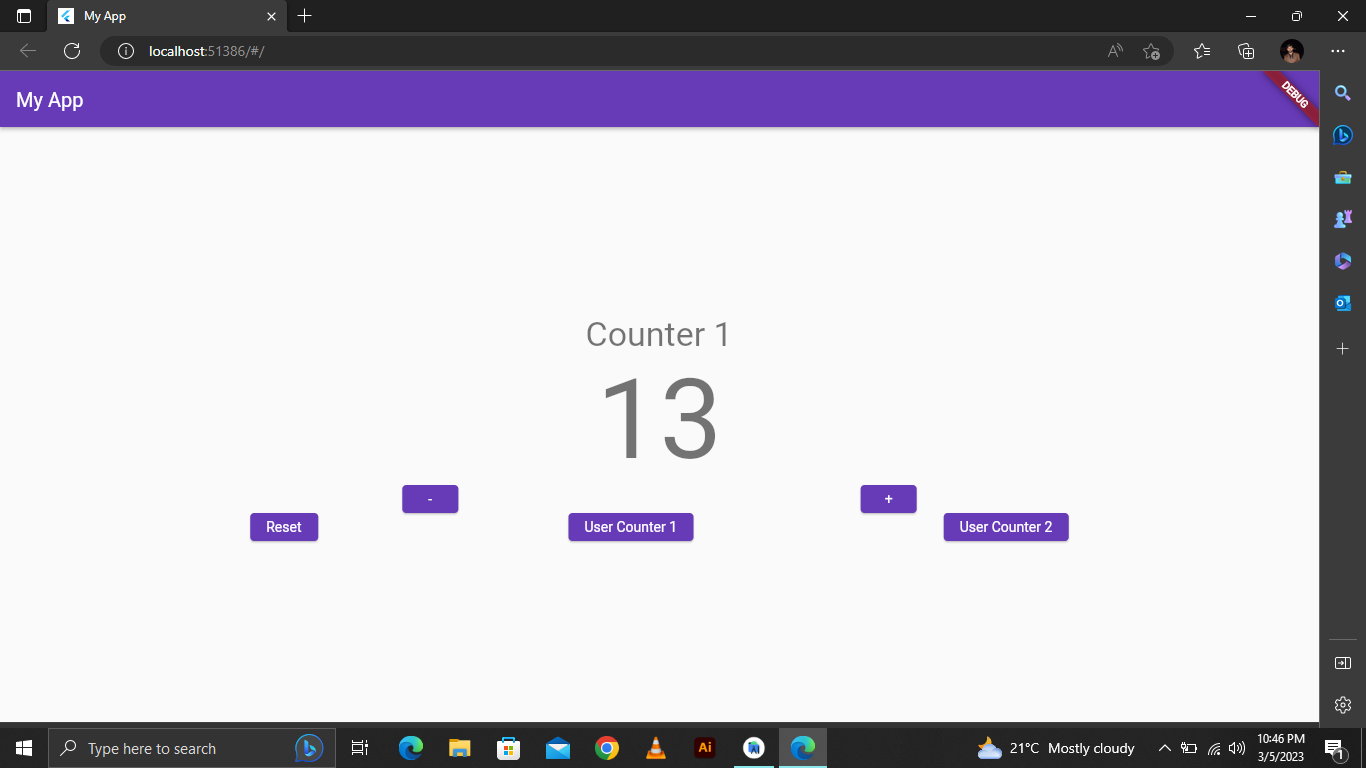
**);**

**}**

**}**

**Screenshot App**

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