import 'package:flutter/material.dart';

import 'package:provider/provider.dart';

void main() {

runApp(

// Step 1: Wrap the app with ChangeNotifierProvider

ChangeNotifierProvider(

create: (\_) => CounterProvider(),

child: MyApp(),

),

);

}

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

debugShowCheckedModeBanner: false,

home: CounterScreen(),

);

}

}

// Step 2: Create Provider Class

class CounterProvider extends ChangeNotifier {

int \_count = 0;

int get count => \_count;

void increment() {

\_count++;

notifyListeners();

}

void resetCounter() {

\_count = 0;

notifyListeners();

}

}

// Step 3: Create Screen with Buttons and Display

class CounterScreen extends StatelessWidget {

@override

Widget build(BuildContext context) {

final provider = Provider.of<CounterProvider>(context, listen: false);

return Scaffold(

appBar: AppBar(title: Text('Provider Counter Reset Example')),

body: Center(

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

children: [

CounterDisplayWidget(),

SizedBox(height: 20),

ElevatedButton(

onPressed: provider.increment,

child: Text('Increment Counter'),

),

SizedBox(height: 10),

ElevatedButton(

onPressed: provider.resetCounter,

style: ElevatedButton.styleFrom(backgroundColor: Colors.red),

child: Text('Reset Counter'),

),

],

),

),

);

}

}

// Step 4: Display Widget that rebuilds automatically

class CounterDisplayWidget extends StatelessWidget {

@override

Widget build(BuildContext context) {

return Consumer<CounterProvider>(

builder: (context, provider, child) {

return Text(

'Counter Value: ${provider.count}',

style: TextStyle(fontSize: 28, fontWeight: FontWeight.bold),

);

},

);

}

}