import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

title: 'Two Screen Counter App',

debugShowCheckedModeBanner: false,

home: HomeScreen(),

);

}

}

class HomeScreen extends StatefulWidget {

@override

\_HomeScreenState createState() => \_HomeScreenState();

}

class \_HomeScreenState extends State<HomeScreen> {

int counter = 0;

void \_incrementCounter() {

setState(() {

counter++;

});

}

void \_navigateToSecondScreen() {

Navigator.push(

context,

MaterialPageRoute(

builder: (context) => SecondScreen(counter: counter),

),

);

}

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(title: Text('Home Screen')),

body: Center(

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

children: [

Text('Counter on Home Screen:', style: TextStyle(fontSize: 20)),

Text('$counter', style: TextStyle(fontSize: 40, fontWeight: FontWeight.bold)),

SizedBox(height: 30),

ElevatedButton(

onPressed: \_navigateToSecondScreen,

child: Text('Go to Second Screen'),

),

],

),

),

floatingActionButton: FloatingActionButton(

onPressed: \_incrementCounter,

child: Icon(Icons.add),

tooltip: 'Increment Counter',

),

);

}

}

class SecondScreen extends StatelessWidget {

final int counter;

SecondScreen({required this.counter});

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(title: Text('Second Screen')),

body: Center(

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

children: [

Text('Counter on Second Screen:', style: TextStyle(fontSize: 20)),

Text('$counter', style: TextStyle(fontSize: 40, fontWeight: FontWeight.bold)),

SizedBox(height: 30),

ElevatedButton(

onPressed: () {

Navigator.pop(context); // Go back to home screen

},

child: Text('Back to Home Screen'),

),

],

),

),

);

}

}