import 'package:flutter/material.dart';

import 'package:provider/provider.dart';

void main() {

runApp(

ChangeNotifierProvider(

create: (context) => FinanceData(),

builder: (context, child) => const MyApp(),

),

);

}

class FinanceData extends ChangeNotifier {

double ingresos = 0.0;

double gastos = 0.0;

void addIngreso(double amount) {

ingresos += amount;

notifyListeners();

}

void addGasto(double amount) {

gastos += amount;

notifyListeners();

}

void clearIngresos() {

ingresos = 0.0;

notifyListeners();

}

void clearGastos() {

gastos = 0.0;

notifyListeners();

}

double get balance => ingresos - gastos;

}

class MyApp extends StatelessWidget {

const MyApp({Key? key}) : super(key: key);

@override

Widget build(BuildContext context) {

return MaterialApp(

title: 'My Finance',

theme: ThemeData(

primarySwatch: Colors.teal,

useMaterial3: true,

),

home: const MyHomePage(),

);

}

}

class MyHomePage extends StatefulWidget {

const MyHomePage({Key? key}) : super(key: key);

@override

State<MyHomePage> createState() => \_MyHomePageState();

}

class \_MyHomePageState extends State<MyHomePage> {

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(

title: const Text('My Finance'),

),

body: SingleChildScrollView(

child: Container(

color: Colors.white.withAlpha(10),

padding: const EdgeInsets.all(16.0),

child: Column(

mainAxisAlignment: MainAxisAlignment.start,

crossAxisAlignment: CrossAxisAlignment.center,

children: <Widget>[

Container(

width: double.infinity,

padding: const EdgeInsets.all(16.0),

margin: const EdgeInsets.only(bottom: 24.0),

decoration: BoxDecoration(

color: Colors.teal,

borderRadius: BorderRadius.circular(8.0),

),

child: const Text(

'Tu flujo, tu control, tu finanza',

textAlign: TextAlign.center,

style: TextStyle(

color: Colors.white,

fontSize: 18.0,

),

),

),

Row(

mainAxisAlignment: MainAxisAlignment.spaceEvenly,

children: [

Expanded(

child: \_buildFinanceCard(

context,

'Ingresos',

context.watch<FinanceData>().ingresos,

Colors.green,

),

),

const SizedBox(width: 8),

Expanded(

child: \_buildFinanceCard(

context,

'Gastos',

context.watch<FinanceData>().gastos,

Colors.red,

),

),

const SizedBox(width: 8),

Expanded(

child: \_buildFinanceCard(

context,

'Balance',

context.watch<FinanceData>().balance,

Colors.blue,

),

),

],

),

const SizedBox(height: 24),

Row(

mainAxisAlignment: MainAxisAlignment.center,

children: [

ElevatedButton(

onPressed: () {

\_showAddIngresoDialog(context);

},

child: const Text('Ingreso'),

),

const SizedBox(width: 16),

ElevatedButton(

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

onPressed: () {

\_showAddGastoDialog(context);

},

child: const Text('Gasto'),

),

],

),

const SizedBox(height: 24),

Row(

mainAxisAlignment: MainAxisAlignment.center,

children: [

TextButton(

onPressed: () {

context.read<FinanceData>().clearIngresos();

},

child: const Text('Borrar Ingresos'),

),

const SizedBox(width: 16),

TextButton(

onPressed: () {

context.read<FinanceData>().clearGastos();

},

child: const Text('Borrar Gastos'),

),

],

),

],

),

),

),

);

}

Widget \_buildFinanceCard(

BuildContext context, String title, double amount, Color color) {

return Card(

elevation: 4,

shape: RoundedRectangleBorder(

borderRadius: BorderRadius.circular(8.0),

),

child: Padding(

padding: const EdgeInsets.all(16.0),

child: Column(

mainAxisSize: MainAxisSize.min,

children: [

Text(

title,

style: TextStyle(

color: color,

fontSize: 20.0,

fontWeight: FontWeight.bold,

),

),

Text(

'\$${amount.toStringAsFixed(2)}',

style: const TextStyle(

fontSize: 16.0,

),

),

],

),

),

);

}

void \_showAddIngresoDialog(BuildContext context) {

String? ingresoName;

double ingresoAmount = 0.0;

showDialog(

context: context,

builder: (BuildContext context) {

return AlertDialog(

title: const Text('Agregar Ingreso'),

content: SingleChildScrollView(

child: Column(

mainAxisSize: MainAxisSize.min,

children: [

TextField(

decoration: const InputDecoration(labelText: 'Nombre del Ingreso'),

onChanged: (value) {

ingresoName = value;

// Use ingresoName here to avoid the "unused variable" error.

// For example, you can print it or assign it to another variable.

debugPrint('Ingreso Name: $ingresoName');

},

),

TextField(

keyboardType: TextInputType.number,

decoration: const InputDecoration(labelText: 'Cantidad'),

onChanged: (value) {

ingresoAmount = double.tryParse(value) ?? 0.0;

},

),

],

),

),

actions: [

TextButton(

onPressed: () {

Navigator.of(context).pop();

},

child: const Text('Cancelar'),

),

TextButton(

onPressed: () {

context.read<FinanceData>().addIngreso(ingresoAmount);

Navigator.of(context).pop();

},

child: const Text('Agregar'),

),

],

);

},

);

}

void \_showAddGastoDialog(BuildContext context) {

double gastoAmount = 0.0;

showDialog(

context: context,

builder: (BuildContext context) {

return AlertDialog(

title: const Text('Agregar Gasto'),

content: SingleChildScrollView(

child: Column(

mainAxisSize: MainAxisSize.min,

children: [

TextField(

keyboardType: TextInputType.number,

decoration: const InputDecoration(labelText: 'Cantidad'),

onChanged: (value) {

gastoAmount = double.tryParse(value) ?? 0.0;

},

),

],

),

),

actions: [

TextButton(

onPressed: () {

Navigator.of(context).pop();

},

child: const Text('Cancelar'),

),

TextButton(

onPressed: () {

context.read<FinanceData>().addGasto(gastoAmount);

Navigator.of(context).pop();

},

child: const Text('Agregar'),

),

],

);

},

);

}

}