Card\_controller.dart

import 'package:bakery\_app\_day22/model/product.dart';

import 'package:get/get.dart';

class CartController extends GetxController {

List<Product> selectedProducts = <Product>[].obs;

void addProductToCart(Product product) {

selectedProducts.add(product);

update();

}

void removeProductsFromCart(Product product) {

selectedProducts.remove(product);

update();

}

void increaseQuantityofProduct(index) {

selectedProducts[index].quantity++;

selectedProducts[index].quantityPrice =

selectedProducts[index].price \* selectedProducts[index].quantity;

update();

}

void decreaseeQuantityProduct(index) {

selectedProducts[index].quantity--;

selectedProducts[index].quantityPrice =

selectedProducts[index].price \* selectedProducts[index].quantity;

update();

}

double get totalCost => selectedProducts.fold(

0, (total, selectedProduct) => total + selectedProduct.quantityPrice);

}

Shopping\_controller.dart

import 'package:bakery\_app\_day22/model/product.dart';

import 'package:bakery\_app\_day22/service/product\_service.dart';

import 'package:get/get.dart';

class ShoppingController extends GetxController {

List<Product> products = <Product>[].obs;

@override

void onInit() {

super.onInit();

getProductDetails();

}

void getProductDetails() async {

products.assignAll(ProductService().getProducts().toList());

}

}

Product.dart

class Product {

int productId;

int quantity;

double quantityPrice;

String productName;

double price;

String imageUrl;

Product({

required this.productId,

required this.quantity,

required this.quantityPrice,

required this.productName,

required this.price,

required this.imageUrl,

});

}

Product\_service.dart

import 'package:bakery\_app\_day22/model/product.dart';

class ProductService {

List<Product> getProducts() {

List<Product> products = [

Product(

productId: 101,

quantity: 1,

quantityPrice: 145000,

productName: 'Macbook Pro',

price: 145000,

imageUrl:

'https://icdn.digitaltrends.com/image/digitaltrends/macbook-pro-2021-01.jpg',

),

Product(

productId: 102,

quantity: 1,

quantityPrice: 65000,

productName: 'Sony Handy Cam',

price: 65000,

imageUrl:

'https://5.imimg.com/data5/JR/ST/MY-60738950/sony-professional-video-camera-500x500.jpg',

),

Product(

productId: 103,

quantity: 1,

quantityPrice: 245000,

productName: 'LG 75inch Flat Panel',

price: 245000,

imageUrl:

'https://5.imimg.com/data5/GX/TO/EZ/ANDROID-4363282/images-jpeg-14-jpg-500x500.jpg',

),

Product(

productId: 104,

quantity: 1,

quantityPrice: 145000,

productName: 'Macbook Pro M1 Chip',

price: 145000,

imageUrl:

'https://icdn.digitaltrends.com/image/digitaltrends/macbook-pro-2021-01.jpg',

),

Product(

productId: 105,

quantity: 1,

quantityPrice: 65000,

productName: 'Sony Handy Cam Old Model',

price: 65000,

imageUrl:

'https://5.imimg.com/data5/JR/ST/MY-60738950/sony-professional-video-camera-500x500.jpg',

),

Product(

productId: 106,

quantity: 1,

quantityPrice: 245000,

productName: 'LG 75inch Interactive Flat Panel',

price: 245000,

imageUrl:

'https://5.imimg.com/data5/GX/TO/EZ/ANDROID-4363282/images-jpeg-14-jpg-500x500.jpg',

)

];

return products;

}

}

User\_cart\_screen.dart

import 'package:bakery\_app\_day22/controller/card\_controller.dart';

import 'package:bakery\_app\_day22/model/product.dart';

import 'package:flutter/material.dart';

import 'package:get/get.dart';

class UserCartScreen extends StatelessWidget {

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

@override

Widget build(BuildContext context) {

return Scaffold(

backgroundColor: Colors.amber,

appBar: AppBar(

title: const Text('User Cart'),

),

body: GetBuilder<CartController>(

builder: ((controller) {

return Column(children: [

SizedBox(

height: 500,

child: ListView.builder(

itemCount: controller.selectedProducts.length,

itemBuilder: (context, index) {

return ListTile(

leading: Image.network(

controller.selectedProducts[index].imageUrl),

title: Text(

controller.selectedProducts[index].productName),

subtitle: Text(controller

.selectedProducts[index].price

.toString()),

trailing:

Row(mainAxisSize: MainAxisSize.min, children: [

TextButton(

onPressed: () {

controller.increaseQuantityofProduct(index);

},

child: const Icon(Icons.add),

),

Text(controller.selectedProducts[index].quantity

.toString()),

TextButton(

onPressed: () {

controller.decreaseeQuantityProduct(index);

},

child: const Icon(Icons.remove),

),

TextButton(

onPressed: () {

controller.removeProductsFromCart(

controller.selectedProducts[index]);

},

child: const Icon(Icons.delete),

),

]));

}),

),

const SizedBox(height: 10),

Text(

'Total Price : Rs. ${controller.totalCost}',

style: const TextStyle(fontSize: 30.0),

)

]);

}),

));

}

}

Product\_catalog.dart

import 'package:badges/badges.dart';

import 'package:bakery\_app\_day22/controller/card\_controller.dart';

import 'package:bakery\_app\_day22/controller/shopping\_controller.dart';

import 'package:bakery\_app\_day22/user\_cart\_screen.dart';

import 'package:flutter/material.dart';

import 'package:get/get.dart';

class ProductsCatalog extends StatelessWidget {

final shoppingController = Get.put(ShoppingController());

final userCartController = Get.put(CartController());

ProductsCatalog({Key? key}) : super(key: key);

@override

Widget build(BuildContext context) {

return Scaffold(

backgroundColor: Colors.amber,

appBar: AppBar(

title: const Text('Products Catalog'),

actions: [

GestureDetector(

child: Padding(

padding: const EdgeInsets.only(right: 10.0, top: 6.0),

child: Badge(

toAnimate: false,

child: const Icon(Icons.shopping\_cart),

badgeContent: GetX<CartController>(

builder: ((controller) {

return Text(

controller.selectedProducts.length.toString(),

style: const TextStyle(

color: Colors.white, fontSize: 14.0),

);

}),

),

),

),

onTap: () {

Get.to(UserCartScreen());

},

)

],

),

body: GetX<ShoppingController>(

builder: ((controller) {

return ListView.builder(

itemCount: controller.products.length,

itemBuilder: (context, index) {

return ListTile(

leading: Image.network(controller.products[index].imageUrl),

title: Text(controller.products[index].productName),

subtitle: Text(controller.products[index].price.toString()),

trailing: ElevatedButton(

child: const Text('Add'),

onPressed: () {

userCartController

.addProductToCart(controller.products[index]);

},

),

);

});

}),

));

}

}

Main.dart

import 'package:bakery\_app\_day22/getx/counter\_screen.dart';

import 'package:bakery\_app\_day22/product\_catalog\_view.dart';

import 'package:flutter/material.dart';

import 'package:get/get\_navigation/src/root/get\_material\_app.dart';

Future main() async {

runApp(const SMDemoApp());

}

class SMDemoApp extends StatelessWidget {

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

@override

Widget build(BuildContext context) {

return GetMaterialApp(

debugShowCheckedModeBanner: false, home: ProductsCatalog());

}

}

Dependencies

dependencies:

flutter:

sdk: flutter

get: ^4.6.3

# The following adds the Cupertino Icons font to your application.

# Use with the CupertinoIcons class for iOS style icons.

cupertino\_icons: ^1.0.2

badges: ^2.0.2