**PENJELASAN APK BELI DONG**

**Kontributor:**

Kharisma Sukma Amin 1755061001

Tasha Syifa Aulia 1715061011

**Deskripsi app:**

Beli dong merupakan sebuah aplikasi *e-commerce* yang berguna untuk membeli produk dengan merek Cadbury.

**CartBloc.dart**

import 'package:rxdart/rxdart.dart';  
import 'package:grocery\_shop\_flutter/models/Product.dart';  
import 'package:grocery\_shop\_flutter/models/Order.dart';  
import 'package:grocery\_shop\_flutter/models/Cart.dart';

//import digunakan untuk memanggil dart yang digunakan pada proses ini

class CartBloc{ //membuat class baru yang berisi tentang id pemesanan yang awalnya nol  
  
 static int *\_orderId* = 0;  
 static CartBloc *\_cartBloc*;  
 Cart \_currentCart;  
 Order \_lastOrder;  
 PublishSubject<Cart> \_publishSubjectCart;  
 PublishSubject<Order> \_publishSubjectOrder;  
  
 factory CartBloc(){  
 if(*\_cartBloc* == null)  
 *\_cartBloc* = new CartBloc.\_();  
  
 return *\_cartBloc*;  
 }  
  
 CartBloc.\_(){  
 \_currentCart = new Cart();  
 \_publishSubjectCart = new PublishSubject<Cart>();  
 \_publishSubjectOrder = new PublishSubject<Order>();  
 }  
  
 Observable<Cart> get observableCart => \_publishSubjectCart.stream;  
 Observable<Order> get observableLastOrder => \_publishSubjectOrder.stream;  
  
 void \_updateCart(){  
 \_publishSubjectCart.sink.add(\_currentCart);  
 }  
  
 void \_updateLastOrder(){  
 \_publishSubjectOrder.sink.add(\_lastOrder);  
 }  
  
 void addOrderToCart(Product product, int quantity){  
 \_lastOrder = new Order(product, quantity, *\_orderId*++);  
 \_currentCart.addOrder(\_lastOrder);  
 \_updateLastOrder();  
 \_updateCart();  
 }  
  
 void removerOrderOfCart(Order order){  
 \_currentCart.removeOrder(order);  
 \_updateCart();  
 }  
  
 Cart get currentCart => \_currentCart;  
  
 Order get lastOrder => \_lastOrder;  
  
 dispose(){  
 *\_cartBloc* = null;  
 \_publishSubjectCart.close();  
 \_publishSubjectOrder.close();  
 }  
  
}

**Cartmanager.dart**

import 'package:flutter/material.dart';  
import 'package:grocery\_shop\_flutter/models/Cart.dart';  
import 'package:grocery\_shop\_flutter/bloc/CartBloc.dart';  
import 'package:grocery\_shop\_flutter/components/OrderWidget.dart';

//import digunakan untuk memanggil dart yang digunakan pada proses ini

class CartManager extends StatefulWidget {  
 @override  
 \_CartManager createState() => new \_CartManager();  
}  
  
class \_CartManager extends State<CartManager> {  
  
 CartBloc \_cartBloc = new CartBloc();  
  
 @override  
 Widget build(BuildContext context) {  
  
 double \_gridSize = MediaQuery.*of*(context).size.height\*0.88;  
  
 return new Container(height: MediaQuery.*of*(context).size.height, child:  
 new Stack(children: <Widget>[  
 new Column(crossAxisAlignment: CrossAxisAlignment.start, children: <Widget>[  
 new StreamBuilder(initialData: \_cartBloc.currentCart, stream: \_cartBloc.observableCart, builder: (context, AsyncSnapshot<Cart> snapshot){  
 return  
 new Container(margin: EdgeInsets.symmetric(horizontal: 20), height: \_gridSize, width: double.*infinity*, child:  
 new Column(crossAxisAlignment: CrossAxisAlignment.start, children: <Widget>[  
 new Padding(padding: EdgeInsets.symmetric(vertical: 40), child:  
 new Text("Keranjang", style: TextStyle(color: Colors.*white*, fontSize: 40, fontWeight: FontWeight.*bold*))  
 ),  
 new Container(margin: EdgeInsets.only(bottom: 10), height: \_gridSize\*0.60, child:  
 new ListView.builder(itemCount: snapshot.data.orders.length, itemBuilder: (context, index ){  
 return Dismissible(  
 background: Container(color: Colors.*transparent*),  
 key: Key(snapshot.data.orders[index].id.toString()),  
 onDismissed: (\_) {  
 \_cartBloc.removerOrderOfCart(snapshot.data.orders[index]);  
 },  
 child: new Padding(padding: EdgeInsets.symmetric(vertical: 10), child: new OrderWidget(snapshot.data.orders[index], \_gridSize)),  
 );  
 })  
 ),  
 new Container(height: \_gridSize\*0.15, child:  
 new Row(mainAxisAlignment: MainAxisAlignment.spaceBetween, children: <Widget>[  
 new Text("Total", style: TextStyle(color: Colors.*white*, fontSize: 20)),  
 new Text("\Rp. ${snapshot.data.totalPrice().toStringAsFixed(2)}", style: TextStyle(color: Colors.*white*, fontWeight: FontWeight.*bold*, fontSize: 40)),  
 ])  
 )  
 ])  
 );  
 })  
 ]), //Code ini digunakan untuk melihat produk yang telah ditambahkan ke keranjang dengan total biaya yang harus dibayar

new Align(alignment: Alignment.*bottomLeft*, child:  
 new Container(padding: EdgeInsets.only(left: 10, bottom: \_gridSize\*0.02), width: MediaQuery.*of*(context).size.width - 80, child:  
 new RaisedButton(color: Colors.*amber*, shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(60)), padding: EdgeInsets.all(20),  
 onPressed: (){  
 if(\_cartBloc.currentCart.isEmpty)  
 Scaffold.*of*(context).showSnackBar(SnackBar(content: Text("Kamu belum menambahkan apapun"))); //saat menekan tombol beli namun belum menambahkan produk pada keranjang akan tampil tulisan yang mengindikasikan kalau keranjang kosong  
 },  
 child: new Text("Beli", style: TextStyle(fontWeight: FontWeight.*bold*))//tombol beli yang digunakan untuk checkout   
 )  
 )  
 )  
 ])  
 );  
 }  
}

**CategoryDropMenu.dart**

import 'package:flutter/material.dart';  
  
class CategoryDropMenu extends StatefulWidget {  
 @override  
 \_CategoryDropMenu createState() => new \_CategoryDropMenu();  
}  
  
class \_CategoryDropMenu extends State<CategoryDropMenu> {  
  
 String dropdownValue = "Cadbury Pilihan";  
  
 @override  
 Widget build(BuildContext context){  
 return new DropdownButtonHideUnderline(child:  
 new DropdownButton<String>(  
 value: dropdownValue,  
 onChanged: (String newValue) {  
 setState(() {  
 dropdownValue = newValue;  
 });  
 },  
 items: <String>['Cadbury Pilihan'].map<DropdownMenuItem<String>>((String value) {  
 return DropdownMenuItem<String>(  
 value: value,  
 child: Text(value, style: TextStyle(color: Colors.*black*, fontWeight: FontWeight.*bold*, fontSize: 20)),  
 );  
 }).toList(),  
 ));  
 }  
  
}//digunakan untuk tombol drop down dengan nama cadbury pilihan yang saat ditekan akan muncul menu

**GridShop.dart**

import 'package:flutter/material.dart';  
import 'package:grocery\_shop\_flutter/models/Product.dart';  
import 'package:grocery\_shop\_flutter/repositories/ProductsRepository.dart';  
import 'package:grocery\_shop\_flutter/components/CategoryDropMenu.dart';  
import 'package:grocery\_shop\_flutter/components/ProductWidget.dart';  
import 'package:grocery\_shop\_flutter/components/MinimalCart.dart';  
//digunakan untuk memanggil library yang digunakan pada gridshop.dart  
class GridShop extends StatefulWidget {  
 @override  
 \_GridShop createState() => new \_GridShop();  
}  
  
class \_GridShop extends State<GridShop> {  
  
 @override  
 Widget build(BuildContext context){  
  
 double \_gridSize = MediaQuery.*of*(context).size.height\*0.88; //88% of screen  
 double childAspectRatio = MediaQuery.*of*(context).size.width / (MediaQuery.*of*(context).size.height / 1.0);  
  
 List<Product> \_products = new ProductsRepository().fetchAllProducts();

//menampilkan produk yang dapat dibeli  
  
 return new Column(children: <Widget>[  
 new Container(height: \_gridSize, decoration: BoxDecoration(color: const Color(0xFFeeeeee), borderRadius: BorderRadius.only(bottomLeft: Radius.circular(\_gridSize/10), bottomRight: Radius.circular(\_gridSize/10))), padding: EdgeInsets.only(left: 10, right: 10), child:  
 new Column(children: <Widget>[  
 new Container(margin: EdgeInsets.only(top: 40), child:  
 new Column(children: <Widget>[  
 new Row(mainAxisAlignment: MainAxisAlignment.spaceBetween, children: <Widget>[  
 new CategoryDropMenu(),  
 new FlatButton.icon(onPressed: (){}, icon: new Icon(Icons.*filter\_list*), label: new Text(""))  
 ]),  
 new Container(height: \_gridSize - 88, margin: EdgeInsets.only(top: 0), child:  
 new PhysicalModel(  
 color: Colors.*transparent*,  
 borderRadius: BorderRadius.only(bottomLeft: Radius.circular(\_gridSize/10 - 10), bottomRight: Radius.circular(\_gridSize/10 - 10)),  
 clipBehavior: Clip.antiAlias,  
 child: new GridView.builder(  
 itemCount: \_products.length, gridDelegate: new SliverGridDelegateWithFixedCrossAxisCount(crossAxisCount: 2, childAspectRatio: childAspectRatio),  
 itemBuilder: (BuildContext context, int index) {  
 return new Padding(  
 padding: EdgeInsets.only(top: index%2==0 ? 20 : 0, right: index%2==0 ? 5 : 0, left: index%2==1 ? 5 : 0, bottom: index%2==1 ? 20 : 0),  
 child: ProductWidget(product: \_products[index]));  
 }  
 )  
 )  
 )  
 ])  
 )  
 ])  
 ),  
 new MinimalCart(\_gridSize) //membuat minimalcart  
 ]);  
 }  
  
}

**MinimalCart.dart**

import 'package:flutter/material.dart';  
import 'package:grocery\_shop\_flutter/models/Cart.dart';  
import 'package:grocery\_shop\_flutter/bloc/CartBloc.dart';  
  
class MinimalCart extends StatelessWidget {  
//minimal cart merupakan minimize dari keranjang yang hanya akan menampilkan gambar dari produk yang akan dibeli dan icon keranjang  
 final double \_gridSize;  
 final List<Widget> \_listWidget = new List();  
 final CartBloc \_cartBloc = new CartBloc();  
 static final ScrollController *\_scrollController* = new ScrollController();  
 MinimalCart(this.\_gridSize);  
  
 @override  
 Widget build(BuildContext context) {  
 return new StreamBuilder(initialData: \_cartBloc.currentCart, stream: \_cartBloc.observableCart, builder: (context, AsyncSnapshot<Cart> snapshot) {  
 \_fillList(snapshot.data, context);  
 var content =  
 new Container(margin: EdgeInsets.only(left: 10, right: 80), width: double.*infinity*, height: MediaQuery.*of*(context).size.height - \_gridSize, child:  
 new ListView.builder(scrollDirection: Axis.horizontal, itemCount: \_listWidget.length, controller: *\_scrollController*, itemBuilder: (context, index){  
 return new Align(alignment: Alignment.*centerLeft*, child:\_listWidget[index]);  
 })  
 );  
 try{  
 *\_scrollController*.jumpTo(*\_scrollController*.position.maxScrollExtent);  
 }catch(e){  
 //*TODO fix* }  
 return content;  
 }  
 );  
 }  
   
 void \_fillList(Cart cart, BuildContext context){  
 \_listWidget.add(new Text("Keranjang", style: TextStyle(color: Colors.*white*, fontWeight: FontWeight.*bold*, fontSize: 20))); //teks yang ditampilkan di samping gambar produk yang akan dibeli  
 \_listWidget.addAll(cart.orders.map((order){  
 return new Padding(padding: EdgeInsets.symmetric(horizontal: 10), child:  
 new GestureDetector(child:  
 new Hero(tag: "tagHeroOrder${order.id}", child:  
 new ClipOval(child:  
 new Container(color: Colors.*white*, child: new Image.asset(order.product.urlToImage), height: (MediaQuery.*of*(context).size.height - \_gridSize)\* 0.6)  
 ),  
 ),  
 onTap: (){  
 //*TODO* },  
 )  
 );  
 }).toList());  
 }  
  
}

**OrderWidget.dart**

import 'package:flutter/material.dart';  
import 'package:grocery\_shop\_flutter/models/Order.dart';

//memanggil library yang digunakan pada proses pemesanan  
  
class OrderWidget extends StatelessWidget {  
  
 final Order \_order;  
 final double \_gridSize;  
 OrderWidget(this.\_order, this.\_gridSize);  
  
 @override  
 Widget build(BuildContext context) {  
 return new Row(crossAxisAlignment: CrossAxisAlignment.center, mainAxisAlignment: MainAxisAlignment.spaceBetween, children: <Widget>[  
 new ClipOval(child:  
 new Container(color: Colors.*white*, child: new Image.asset(this.\_order.product.urlToImage), height: (MediaQuery.*of*(context).size.height - \_gridSize)\* 0.5)  
 ),  
 new Padding(padding: EdgeInsets.symmetric(horizontal: 10), child:  
 new Text(this.\_order.quantity.toString(), style: TextStyle(color: Colors.*white*, fontWeight: FontWeight.*bold*))  
 ),  
 new Text("x", style: TextStyle(color: Colors.*white*, fontWeight: FontWeight.*bold*)), //menambahkan jumlah item yang dibeli dan ditambahkan teks x di sampingnya  
 new Flexible(flex: 2, child:  
 new Padding(padding: EdgeInsets.symmetric(horizontal: 10), child:  
 new Text(this.\_order.product.title, style: TextStyle(color: Colors.*white*, fontWeight: FontWeight.*bold*))  
 )  
 ),  
 new Flexible(flex: 1, child:  
 new Text("\Rp. ${this.\_order.orderPrice.toStringAsFixed(2)}", style: TextStyle(color: Colors.*grey*, fontWeight: FontWeight.*bold*))  
 ) //menambahkan teks Rp untuk harga pada keranjang  
 ]);  
 }  
  
}

**Product Widget.dart**

import 'package:flutter/material.dart';  
import 'package:grocery\_shop\_flutter/models/Product.dart';  
import 'package:grocery\_shop\_flutter/views/ProductView.dart';  
  
class ProductWidget extends StatelessWidget {  
  
 final Product product;  
  
 ProductWidget({Key key, this.product}) : super(key:key);  
  
 @override  
 Widget build(BuildContext context){  
  
 double height = MediaQuery.*of*(context).size.height/1.2;  
 double fontSize = (height/24).round().toDouble();  
  
 return new GestureDetector(  
 onTap: (){  
 Navigator.*of*(context).push(MaterialPageRoute(builder: (context) => new ProductView(product: this.product)));  
 },  
 child:  
 new Container(padding: EdgeInsets.fromLTRB(20, 20, 20, 5),decoration: BoxDecoration(color: Colors.*white*, borderRadius: BorderRadius.all(Radius.circular(10))), child:  
 new Column(mainAxisSize: MainAxisSize.max, crossAxisAlignment: CrossAxisAlignment.start, children: <Widget>[  
 new Center(child: new Hero(tag: "tagHero${this.product.id}", child: new Image.asset(this.product.urlToImage, fit: BoxFit.cover, height: height \* 0.20))),  
 new Container(height: height \* 0.25, margin: EdgeInsets.only(top: 10), child:  
 new Column(mainAxisAlignment: MainAxisAlignment.center, crossAxisAlignment: CrossAxisAlignment.start, children: <Widget>[  
 new Text("\Rp. ${this.product.price}", style: TextStyle(fontWeight: FontWeight.*bold*, color: Colors.*black*, fontSize: fontSize)),  
 new Container(margin: EdgeInsets.only(top: 20, bottom: 10), child: new Text("${this.product.title}", style: TextStyle(fontWeight: FontWeight.*bold*, color: Colors.*black*, fontSize: fontSize \* 0.65))),  
 new Text("${this.product.weight}g", style: TextStyle(fontWeight: FontWeight.*bold*, color: Colors.*grey*, fontSize: fontSize \* 0.48))  
 ])  
 )  
 ])  
 )  
 );  
 }  
  
}

**Cart.dart**

import 'package:grocery\_shop\_flutter/models/Order.dart';  
  
class Cart{  
//Pada halaman ini berfungsi untuk menjalankan halaman cart untuk mengahapus total belanja yang dipilih  
 List<Order> \_orders;  
  
 Cart(){  
 \_orders = new List();  
 }  
  
 void addOrder(Order order){  
 \_orders.add(order);  
 }  
  
 void removeOrder(Order order){  
 \_orders.remove(order);  
 }

//Pada baris ini berfungsi untuk menjalankan halaman cart untuk menghitung total berapa belanja yang dipilih  
 double totalPrice(){  
 double total = 0;  
 \_orders.forEach((o){  
 total += o.orderPrice;  
 });  
  
 return total;  
 }  
  
 List<Order> get orders => \_orders;  
  
 int get orderCount => \_orders.length;  
  
 bool get isEmpty => \_orders.length == 0;  
  
}

**Order.dart**

import 'package:grocery\_shop\_flutter/models/Product.dart';  
  
class Order {  
//Baris ini berfungsi untuk menjalankan halaman order   
 Product \_product;  
 int \_quantity;  
 int \_id;  
  
 Order(this.\_product, this.\_quantity, this.\_id);  
  
 int get id => \_id;  
  
 int get quantity => \_quantity;  
  
 Product get product => \_product;  
  
 double get orderPrice => \_quantity\*\_product.price;  
  
}

**Product.dart**

class Product {  
  
 String \_urlToImage;  
 String \_about;  
 String \_title;  
 double \_price;  
 double \_weight;  
 int \_id;  
  
// Pada baris ini berfungsi untuk menampilkan halaman detail product dimana terdapat penjelasan tentang product

Product(this.\_urlToImage, this.\_title, this.\_price, this.\_weight, this.\_id){  
 \_about = "Cadbury impor dari Inggris yang pasti terjamin kualitasnya. Yuk, dipesan!";  
 }  
  
 double get weight => \_weight;  
  
 double get price => \_price;  
  
 String get title => \_title;  
  
 String get urlToImage => \_urlToImage;  
  
 int get id => \_id;  
  
 String get about => \_about;  
  
  
}

**ProductsRepository.dart**

import 'package:grocery\_shop\_flutter/models/Product.dart';  
  
class ProductsRepository{  
  
 List<Product> fetchAllProducts() {  
//Pada halaman ini berfungsi untuk menampilkan gambar product   
 return [  
 new Product("assets/images/0.jpg", "Cadbury 3in1 Hot Chocolate Drink", 80000, 450, 0),  
 new Product("assets/images/1.jpg", "Choclairs Cadbury Candy 180 pcs", 150000, 900, 1),  
 new Product("assets/images/2.png", "Cadbury Dairy Milk Coklat", 70000, 165, 2),  
 new Product("assets/images/3.jpg", "Cadbury Toples Dairy Milk 100 pcs", 120000, 450, 3),  
 new Product("assets/images/4.jpg", "Cadbury Brunch Bar Choco Chips Raisin", 80000, 192, 4),  
 new Product("assets/images/5.jpg", "Cadbury Dairy Milk Chocolate 22 mini bites", 60000, 100, 5),  
 new Product("assets/images/6.jpg", "Cadbury Mini Rolls Milk Chocolate/Raspberry", 150000, 350, 6),  
 ];  
 }  
   
}

**Home.dart**

import 'package:flutter/material.dart';  
import 'package:grocery\_shop\_flutter/bloc/CartBloc.dart';  
import 'package:grocery\_shop\_flutter/components/GridShop.dart';  
import 'package:grocery\_shop\_flutter/components/CartManager.dart';

//Pada halaman ini berfungsi untuk memanggil/menjalankan halaman home  
class MyHomePage extends StatefulWidget {  
 @override  
 \_MyHomePageState createState() => \_MyHomePageState();  
}  
  
class \_MyHomePageState extends State<MyHomePage> {  
  
 bool \_showCart = false;  
 CartBloc \_cartBloc;  
  
 ScrollController \_scrollController = new ScrollController();  
  
 @override  
 initState(){  
 \_scrollController = new ScrollController();  
 \_cartBloc = new CartBloc();  
 super.initState();  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 return Scaffold(backgroundColor: Colors.*black*, body:  
 new Stack(children: <Widget>[  
 new CustomScrollView(physics: NeverScrollableScrollPhysics(), controller: \_scrollController, slivers: <Widget>[  
 new SliverToBoxAdapter(child:  
 new GridShop()  
 ),  
 new SliverToBoxAdapter(child:  
 new CartManager()  
 ),  
 ]),  
 new Align(alignment: Alignment.*bottomRight*, child:  
 new Container(margin: EdgeInsets.only(right: 10, bottom: 10),child:  
 new FloatingActionButton(onPressed: (){  
 if(\_showCart)  
 \_scrollController.animateTo(\_scrollController.position.minScrollExtent, curve: Curves.*fastOutSlowIn*, duration: Duration(seconds: 2));  
 else  
 \_scrollController.animateTo(\_scrollController.position.maxScrollExtent, curve: Curves.*fastOutSlowIn*, duration: Duration(seconds: 2));  
  
 setState(() {  
 \_showCart = !\_showCart;  
 });  
  
 }, backgroundColor: Colors.*amber*, child: new Icon(\_showCart ? Icons.*close* : Icons.*shopping\_cart*))  
 )  
 )  
 ])  
 );  
 }  
  
  
 @override  
 void dispose() {  
 \_cartBloc.dispose();  
 super.dispose();  
 }  
}

**ProductView.dart**

import 'package:flutter/material.dart';  
import 'package:grocery\_shop\_flutter/models/Product.dart';  
import 'package:grocery\_shop\_flutter/bloc/CartBloc.dart';  
import 'package:grocery\_shop\_flutter/models/Order.dart';  
  
class ProductView extends StatefulWidget{  
//Pada halaman ini berfungsi untuk menjalankan atau menampilkan halaman product  
 final Product product;  
 ProductView({Key key, this.product}) : super(key:key);  
  
 @override  
 \_ProductView createState() => new \_ProductView();  
}

//Pada baris ini berfungsi digunakan untuk menjalankan halaman product dengan method CartBloc dibungkus di halaman ini  
class \_ProductView extends State<ProductView> {  
  
 final CartBloc \_cartBloc = new CartBloc();  
 int \_quantity = 1;  
  
 void \_increment(){  
 setState(() {  
 \_quantity++;  
 });  
 }  
  
 void \_decrement(){  
 if(\_quantity>1) {  
 setState(() {  
 \_quantity--;  
 });  
 }  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 return new Scaffold(backgroundColor: Colors.*white*, appBar: new AppBar(backgroundColor: Colors.*white*, elevation: 0, iconTheme: IconThemeData(color: Colors.*black*)), body:  
 new SafeArea(child:  
 new Column(children: <Widget>[  
 new Container(padding: EdgeInsets.symmetric(horizontal: 20), height: MediaQuery.*of*(context).size.height\*0.73, child:  
 new SingleChildScrollView(child:  
 new Column(crossAxisAlignment: CrossAxisAlignment.start, children: <Widget>[  
 new Center(child:  
 new StreamBuilder(initialData: null, stream: \_cartBloc.observableLastOrder, builder: (context, AsyncSnapshot<Order> snapshot){  
 String tag = snapshot.data == null ? "tagHero${widget.product.id}" : "tagHeroOrder${snapshot.data.id}";  
 return new Hero(tag: tag, child:  
 new Image.asset(widget.product.urlToImage, fit: BoxFit.cover, height: MediaQuery.*of*(context).size.height\*0.4)  
 );  
 })  
 ),  
 new Container(margin: EdgeInsets.only(top: 20), child:  
 new Text(widget.product.title, style: TextStyle(fontWeight: FontWeight.*bold*, fontSize: 40, color: Colors.*black*)),  
 ),  
 new Container(margin: EdgeInsets.only(top: 10), child:  
 new Text("${widget.product.weight}g", style: TextStyle(fontWeight: FontWeight.*bold*, fontSize: 20, color: Colors.*grey*)),  
 ),  
 new Container(margin: EdgeInsets.only(top: 20), child:  
 new Row(mainAxisAlignment: MainAxisAlignment.spaceBetween, children: <Widget>[  
 new Container(padding: EdgeInsets.all(10), decoration: BoxDecoration(border: Border.all(color: Colors.*grey*), borderRadius: BorderRadius.circular(50)), child:  
 new Row(children: <Widget>[  
 new InkWell(  
 child: new Icon(Icons.*remove*, size: 15,),  
 onTap: \_decrement,  
 ),  
 new Padding(padding: EdgeInsets.symmetric(horizontal: 20), child: new Text(\_quantity.toString(), style: TextStyle(fontSize: 20))),  
 new InkWell(  
 child: new Icon(Icons.*add*, size: 15,),  
 onTap: \_increment,  
 ),  
 ]),  
 ),  
 new Text("\Rp. ${(widget.product.price\*\_quantity).toStringAsFixed(2)}", style: TextStyle(fontWeight: FontWeight.*bold*, fontSize: 35, color: Colors.*black*)),  
 ])  
 ),  
 new Container(margin: EdgeInsets.only(top: 40, bottom: 40), child:  
 new Column(crossAxisAlignment: CrossAxisAlignment.start, children: <Widget>[  
 new Text("Deskripsi Produk:", style: TextStyle(color: Colors.*black*, fontWeight: FontWeight.*bold*, fontSize: 20)),  
 new Padding(padding: EdgeInsets.only(top: 10), child: new Text(widget.product.about, style: TextStyle(color: Colors.*grey*, fontSize: 18)))  
 ])  
 )  
 ])  
 )  
 ),  
 new Container(decoration: BoxDecoration(boxShadow: [  
 BoxShadow(  
 color: Colors.*white*,  
 blurRadius: 30.0, // has the effect of softening the shadow  
 spreadRadius: 5.0, // has the effect of extending the shadow  
 offset: Offset(  
 0.0, // horizontal, move right 10  
 -20.0, // vertical, move down 10  
 ),  
 )  
 ]), padding: EdgeInsets.symmetric(horizontal: 20), height: MediaQuery.*of*(context).size.height\*0.1, child:  
 new Row(mainAxisAlignment: MainAxisAlignment.spaceBetween, children: <Widget>[  
 new FlatButton.icon(onPressed: (){}, icon: new Icon(Icons.*favorite\_border*), label: new Text("")),  
 new SizedBox(width: MediaQuery.*of*(context).size.width \* 0.6, child:  
 new RaisedButton(color: Colors.*amber*, shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(60)), padding: EdgeInsets.all(20),  
 onPressed: (){  
 \_cartBloc.addOrderToCart(widget.product, \_quantity);  
 Navigator.*of*(context).pop();  
 },  
 child: new Text("Tambahkan ke keranjang", style: TextStyle(fontWeight: FontWeight.*bold*))  
 )  
 )  
 ]),  
 )  
 ])  
 )  
 );  
 }  
  
}

**Main.dart**

import 'package:flutter/material.dart';  
import 'views/Home.dart';  
  
void main() => runApp(MyApp());  
//Pada halaman ini berfungsi untuk memanggil/menjalankan halaman yang home dan deskripsi  
class MyApp extends StatelessWidget {  
  
 @override  
 Widget build(BuildContext context) {

//Pada baris ini berfungsi untuk menjalankan halaman home dengan method MyHomePage   
 return MaterialApp(  
 title: 'Beli Dong',  
 theme: ThemeData(  
 primaryColor: Colors.*black*,  
 fontFamily: 'JosefinSans',  
 ),

//Ini adalah halaman home yang dijalankan  
 home: MyHomePage(),  
 );  
 }  
}

**Pubspec.yaml**

name: grocery\_shop\_flutter  
description: A new Flutter project.  
  
*# The following defines the version and build number for your application.  
# A version number is three numbers separated by dots, like 1.2.43  
# followed by an optional build number separated by a +.  
# Both the version and the builder number may be overridden in flutter  
# build by specifying --build-name and --build-number, respectively.  
# Read more about versioning at semver.org.*version: 1.0.0+1  
  
environment:  
 sdk: ">=2.0.0-dev.68.0 <3.0.0"  
  
dependencies:  
 flutter:  
 sdk: flutter  
  
 *# The following adds the Cupertino Icons font to your application.  
 # Use with the CupertinoIcons class for iOS style icons.* cupertino\_icons: ^0.1.2  
 rxdart: ^0.21.0  
  
  
dev\_dependencies:  
 flutter\_test:  
 sdk: flutter  
  
  
*# For information on the generic Dart part of this file, see the  
# following page: https://www.dartlang.org/tools/pub/pubspec  
  
# The following section is specific to Flutter.*flutter:  
  
 *# The following line ensures that the Material Icons font is  
 # included with your application, so that you can use the icons in  
 # the material Icons class.* uses-material-design: true  
  
 fonts:  
 - family: JosefinSans  
 fonts:  
 - asset: fonts/JosefinSans.ttf  
  
 assets:  
 - assets/images/  
  
 *# To add assets to your application, add an assets section, like this:  
 # assets:  
 # - images/a\_dot\_burr.jpeg  
 # - images/a\_dot\_ham.jpeg  
  
 # An image asset can refer to one or more resolution-specific "variants", see  
 # https://flutter.io/assets-and-images/#resolution-aware.  
  
 # For details regarding adding assets from package dependencies, see  
 # https://flutter.io/assets-and-images/#from-packages  
  
 # To add custom fonts to your application, add a fonts section here,  
 # in this "flutter" section. Each entry in this list should have a  
 # "family" key with the font family name, and a "fonts" key with a  
 # list giving the asset and other descriptors for the font. For  
 # example:  
 # fonts:  
 # - family: Schyler  
 # fonts:  
 # - asset: fonts/Schyler-Regular.ttf  
 # - asset: fonts/Schyler-Italic.ttf  
 # style: italic  
 # - family: Trajan Pro  
 # fonts:  
 # - asset: fonts/TrajanPro.ttf  
 # - asset: fonts/TrajanPro\_Bold.ttf  
 # weight: 700  
 #  
 # For details regarding fonts from package dependencies,  
 # see https://flutter.io/custom-fonts/#from-packages*