

E-commerce Electronic App

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 - 5- رحاب اشرف عبدالفتاح (سيكشن 2)
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Introduction

1. Diversity in products:

The application displays a variety of electronic products, carefully selected to meet the needs of technology enthusiasts and ordinary users alike. Whether you're a photography enthusiast, a mobile professional, or a multitasking individual, we have the perfect electronic companion for you.

2. Seamless shopping experience with your shopping cart:

It allows each customer to have an individual shopping cart, which is an easy and convenient way to collect the products you want to buy while exploring our online offer. Easily add, remove, or modify your selections, customizing your shopping journey according to your unique preferences.

3. Transparent pricing:

Each electronic product is accompanied by its clear and competitive price. Whether you're targeting a high-performance laptop or a stylish pair of wireless headphones, you'll know exactly what to invest in.

4. View total cart value:

Stay on top of your spending easily with the total cart value displayed. As you add items to your cart, see how the total price changes in real time. This feature allows you to stay within your budget and make adjustments to your selections if necessary.

Main Page



```
1  import 'package:electronic_app/pages/home.dart';
2  import 'package:electronic_app/pages/login.dart';
3  import 'package:electronic_app/pages/register.dart';
4  import 'package:electronic_app/provider/cart.dart';
5  import 'package:flutter/material.dart';
6
7  import 'package:provider/provider.dart';
8  void main() {
9      runApp(const MyApp());
10 }
11
12 class MyApp extends StatelessWidget {
13     const MyApp({Key? key}) : super(key: key);
14
15     @override
16     Widget build(BuildContext context) {
17         return ChangeNotifierProvider(
18             create: (context) {return Cart();},
19             child: MaterialApp(
20                 debugShowCheckedModeBanner: false,
21                 home: Register(),
22             ),
23         );
24     }
25 }
26
```

Register Page

Enter Your username :

Enter Your Email :

Enter Your Password :

Register

Do not have an account? [sign in](#)


- ❖ **A registration page** is a screen where users can create a new account by providing necessary information such as username, email, password.

Enter some values in the username, email, and password fields and click the "Register" button. For now, you would send this data to a server for registration.

```

1 import 'package:electronic_app/database_helper.dart';
2 import 'package:electronic_app/pages/home.dart';
3 import 'package:electronic_app/pages/login.dart';
4 import 'package:electronic_app/shared/colors.dart';
5 import 'package:electronic_app/shared/contants.dart';
6 import 'package:flutter/material.dart';
7
8 class Register extends StatelessWidget {
9   final TextEditingController _usernameController = TextEditingController();
10  final TextEditingController _emailController = TextEditingController();
11  final TextEditingController _passwordController = TextEditingController();
12
13  @override
14  Widget build(BuildContext context) {
15    // DatabaseHelper dbHelper = DatabaseHelper();
16
17    return SafeArea(
18      child: Scaffold(
19        backgroundColor: Color.fromARGB(255, 247, 247, 247),
20        body: Center(
21          child: Padding(
22            padding: const EdgeInsets.all(33.0),
23            child: SingleChildScrollView(
24              child: Column(
25                mainAxisAlignment: MainAxisAlignment.center,
26                children: [
27                  const SizedBox(
28                    height: 64,
29                  ),
30                  TextField(
31                    controller: _usernameController,
32                    keyboardType: TextInputType.text,
33                    obscureText: false,
34                    decoration: decorationTextfield.copyWith(
35                      hintText: "Enter Your username : ",
36                    ),
37                  ),
38                  const SizedBox(
39                    height: 33,
40                  ),
41                  TextField(
42                    controller: _emailController,
43                    keyboardType: TextInputType.emailAddress,
44                    obscureText: false,
45                    decoration: decorationTextfield.copyWith(
46                      hintText: "Enter Your Email : ",
47                    ),
48                  ),
49                  const SizedBox(
50                    height: 33,
51                  ),
52                  TextField(
53                    controller: _passwordController,
54                    keyboardType: TextInputType.text,
55                    obscureText: true,
56                    decoration: decorationTextfield.copyWith(
57                      hintText: "Enter Your Password : ",
58                    ),
59                  ),
60                  const SizedBox(
61                    height: 33,
62                  ),
63                  ElevatedButton(
64                    onPressed: () async {
65                      String username = _usernameController.text;
66                      String email = _emailController.text;
67                      String password = _passwordController.text;
68
69                      // Navigator.pushReplacement(
70                      //   context,
71                      //   MaterialPageRoute(
72                      //     builder: (context) =>
73                      //       Home(username: username, email: email),
74                      //   ),
75                      // );
76
77                      Map<String, dynamic> user = {
78                        'username': username,
79                        'email': email,
80                        'password': password,
81                      };
82
83                      print("This useerrrrrrrrr");
84                      print(user);
85
86                      await DatabaseHelper().insertUser(user);
87                      Navigator.pushReplacement(
88                        context,
89                        MaterialPageRoute(
90                          builder: (context) =>
91                            Home(username: username, email: email),
92                        ),
93                      );
94                    },
95                    child: Text(
96                      "Register",
97                      style: TextStyle(fontSize: 19),
98                    ),
99                  ),
100                  style: ButtonStyle(
101                    backgroundColor: MaterialStateProperty.all(BlNGreen),
102                    padding: MaterialStateProperty.all(EdgeInsets.all(12)),
103                    shape: MaterialStateProperty.all(RoundedRectangularBorder(
104                      borderRadius: BorderRadius.circular(8))),
105                  ),
106                  const SizedBox(
107                    height: 33,
108                  ),
109                ],
110                Row(
111                  mainAxisAlignment: MainAxisAlignment.center,
112                  children: [
113                    Text("Do You have an account?",
114                      style: TextStyle(fontSize: 18)),
115                    TextButton(
116                      onPressed: () {
117                        Navigator.pushReplacement(
118                          context,
119                          MaterialPageRoute(
120                            builder: (context) => Login(),
121                          ),
122                        );
123                      },
124                      child: Text('sign in',
125                        style:
126                          TextStyle(color: Colors.black, fontSize: 18)),
127                    ),
128                  ],
129                ),
130              ],
131            ),
132          ),
133        ),
134      ),
135    );
136  }
137 }
138
139

```

```

1  import 'dart:async';
2  import 'dart:io';
3  import 'package:path/path.dart';
4  import 'package:path_provider/path_provider.dart';
5  import 'package:sqflite/sqflite.dart';
6
7  class DatabaseHelper {
8    static final DatabaseHelper _instance = DatabaseHelper._();
9    static Database? _database;
10
11    DatabaseHelper._();
12
13    factory DatabaseHelper() => _instance;
14
15    Future<Database> get database async {
16      if (_database != null) return _database!;
17      _database = await initDatabase();
18      return _database!;
19    }
20
21    Future<Database> initDatabase() async {
22      Directory documentsDirectory = await getApplicationDocumentsDirectory();
23      String path = join(documentsDirectory.path, 'auth_database.db');
24      return await openDatabase(path, version: 1, onCreate: _onCreate);
25    }
26
27    Future<void> _onCreate(Database db, int version) async {
28      await db.execute('''
29        CREATE TABLE users (
30          id INTEGER PRIMARY KEY AUTOINCREMENT,
31          username TEXT NOT NULL,
32          email TEXT NOT NULL,
33          password TEXT NOT NULL
34        )
35      ''');
36    }
37
38    Future<int> insertUser(Map<String, dynamic> user) async {
39      Database db = await database;
40      return await db.insert('users', user);
41    }
42
43    Future<bool> checkUser(String email, String password) async {
44      Database db = await database;
45      List<Map<String, dynamic>> result = await db.query(
46        'users',
47        where: 'email = ? AND password = ?',
48        whereArgs: [email, password],
49      );
50      print(result);
51      return result.isNotEmpty;
52    }
53  }
54
55

```

Login Page

Enter Your Email :

Enter Your Password :

Sign in

Do not have an account? [sign up](#)

❖ A **login page** allows users to enter their credentials, such as email and password, to access their accounts.

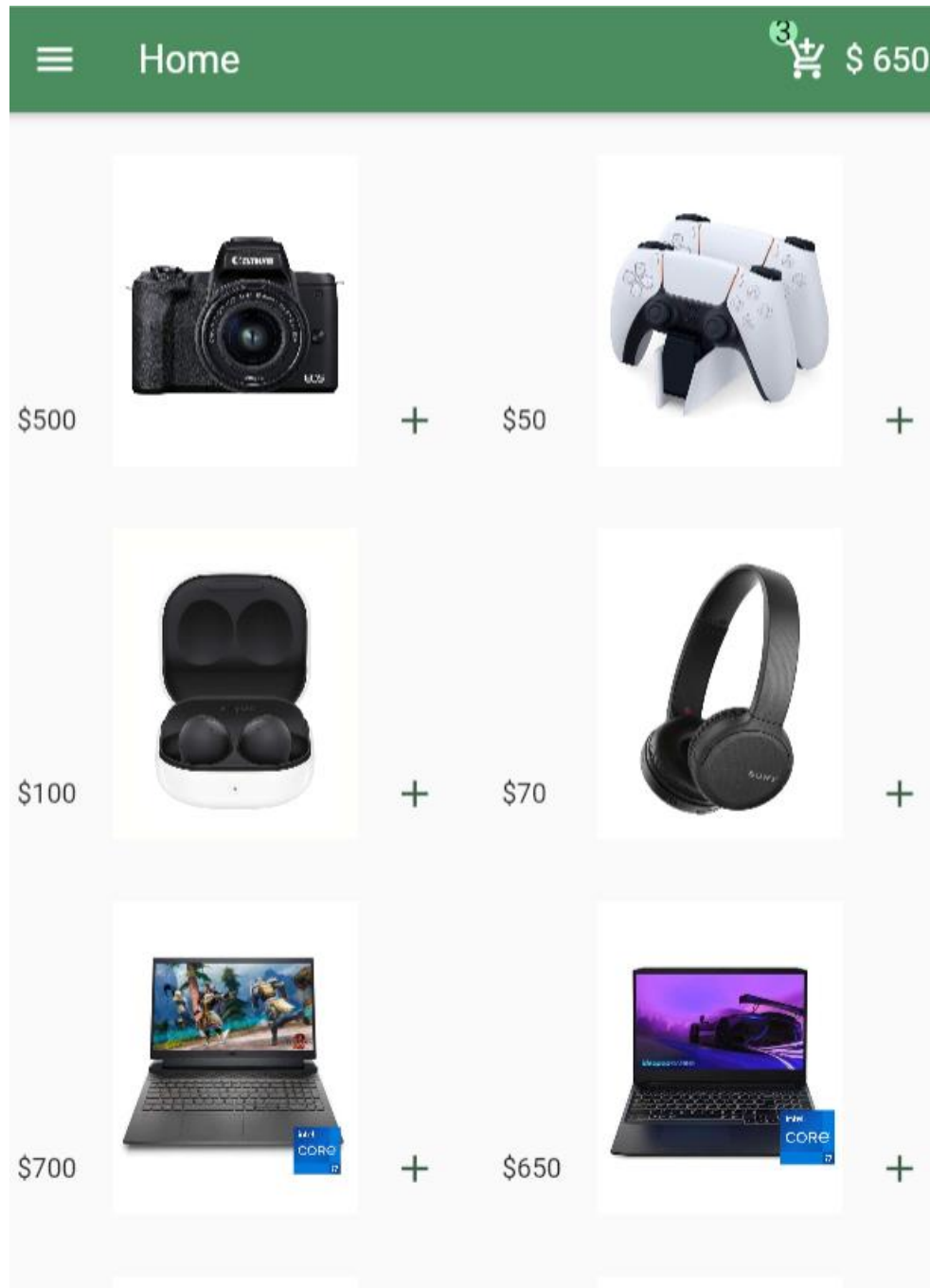
Enter the email and password in the respective fields and click the "Login" button. you would perform authentication and navigate the user to the appropriate screen based on successful login.


```

1 import 'package:electronic_app/pages/home.dart';
2 import 'package:electronic_app/pages/register.dart';
3 import 'package:electronic_app/shared/colors.dart';
4 import 'package:electronic_app/shared/contants.dart';
5 import 'package:flutter/material.dart';
6 import 'package:electronic_app/database_helper.dart';
7 import 'package:electronic_app/pages/lib/database_helper.dart';
8
9 class Login extends StatelessWidget {
10   final TextEditingController _emailController = TextEditingController();
11   final TextEditingController _passwordController = TextEditingController();
12
13   // const Login({Key? key}) : super(key: key);
14
15   @override
16   Widget build(BuildContext context) {
17     return SafeArea(
18       child: Scaffold(
19         backgroundColor: Color.fromARGB(255, 247, 247, 247),
20         body: Center(
21           child: Padding(
22             padding: const EdgeInsets.all(33.0),
23             child: Column(
24               mainAxisAlignment: MainAxisAlignment.center,
25               children: [
26                 const SizedBox(
27                   height: 64,
28                 ),
29                 TextField(
30                   controller: _emailController,
31                   keyboardType: TextInputType.emailAddress,
32                   obscureText: false,
33                   decoration: decorationTextField.copyWith(
34                     hintText: "Enter Your Email : ",
35                   ),
36                 ),
37                 const SizedBox(
38                   height: 33,
39                 ),
40                 TextField(
41                   controller: _passwordController,
42                   keyboardType: TextInputType.text,
43                   obscureText: true,
44                   decoration: decorationTextField.copyWith(
45                     hintText: "Enter Your Password : ",
46                   ),
47                 ),
48                 const SizedBox(
49                   height: 33,
50                 ),
51                 ElevatedButton(
52                   onPressed: () async {
53                     String email = _emailController.text;
54                     String password = _passwordController.text;
55
56                     bool isLoggedIn =
57                       await DatabaseHelper().checkUser(email, password);
58
59                     if (isLoggedIn) {
60                       // Navigate to the home page or another page on successful login
61                       print('Login Successful');
62                       Navigator.pushReplacement(
63                         context,
64                         MaterialPageRoute(builder: (context) => Home()),
65                       );
66                     } else {
67                       // Show an error message or navigate back to the login page
68                       print('Login Failed');
69                     }
70
71                     // Navigator.pushReplacement(
72                     //   context,
73                     //   MaterialPageRoute(builder: (context) => Home()),
74                     // );
75                   },
76                   child: Text(
77                     "Sign in",
78                     style: TextStyle(fontSize: 19),
79                   ),
80                 ),
81                 const SizedBox(
82                   height: 33,
83                 ),
84                 Row(
85                   mainAxisAlignment: MainAxisAlignment.center,
86                   children: [
87                     Text("Do not have an account?",
88                       style: TextStyle(fontSize: 18)),
89                     TextButton(
90                       onPressed: () {
91                         Navigator.pushReplacement(
92                           context,
93                           MaterialPageRoute(builder: (context) => Register()),
94                         );
95                       },
96                       child: Text('sign up',
97                         style:
98                           TextStyle(color: Colors.black, fontSize: 18)),
99                     ],
100                   ),
101                 ],
102               ),
103             ),
104           ),
105         ),
106       ),
107     );
108   }
109 }
110
111 }
112
113

```

Home Page



- ❖ **A home page** that displays a list of products with their names , prices and adding more details to each product, incorporating images, implementing navigation to product details pages when **click** on specific product, and The user can add a product to his shopping cart for purchase when clicking on "+"

```

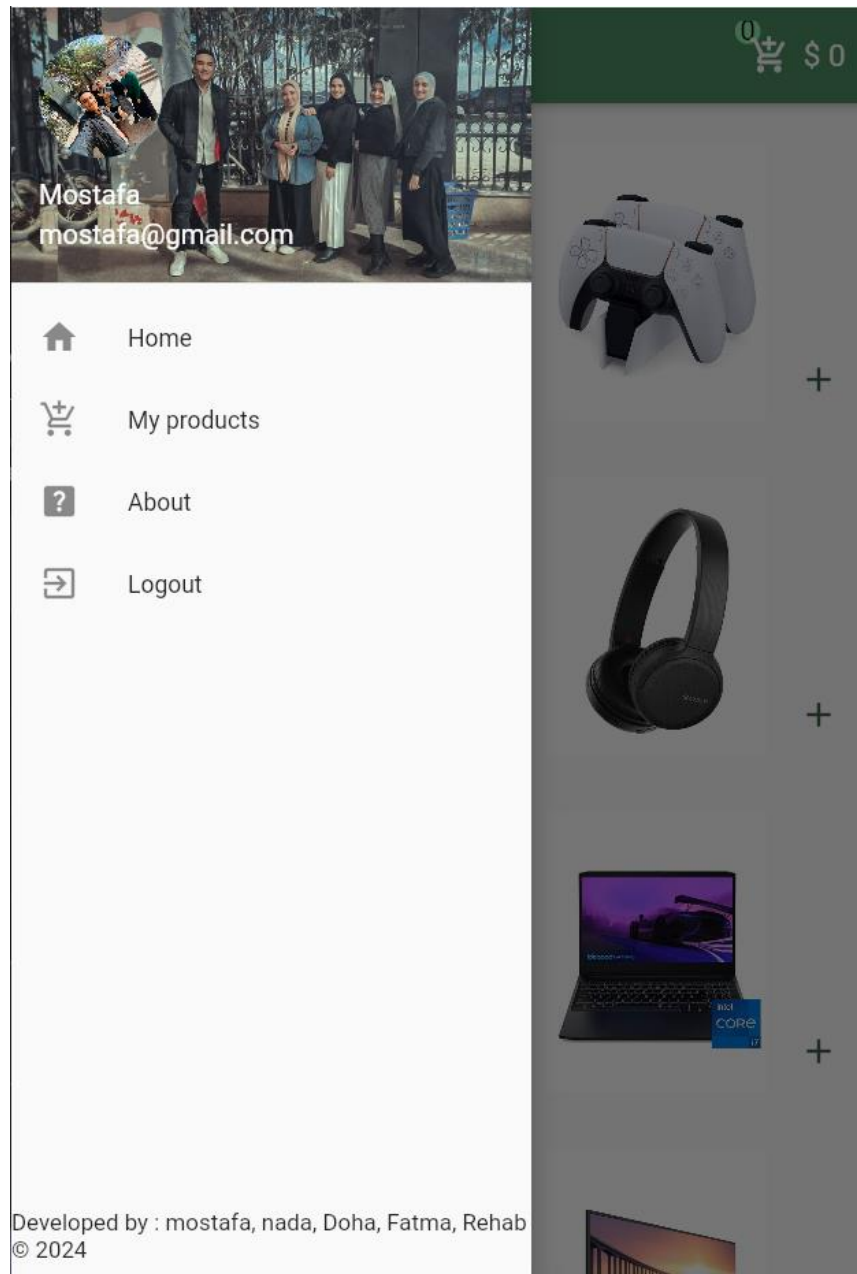
1 import 'package:electronic_app/model/item.dart';
2 import 'package:electronic_app/pages/about.dart';
3 import 'package:electronic_app/pages/checkout.dart';
4 import 'package:electronic_app/pages/details_screen.dart';
5 import 'package:electronic_app/pages/login.dart';
6 import 'package:electronic_app/provider/cart.dart';
7 import 'package:electronic_app/shared/appbar.dart';
8 import 'package:electronic_app/shared/colors.dart';
9 import 'package:flutter/material.dart';
10 import 'package:provider/provider.dart';
11
12 class Home extends StatelessWidget {
13   final String? username;
14   final String? email;
15
16   const Home(
17     {Key? key, this.username = "Mostafa", this.email = "mostafa@gmail.com"})
18     : super(key: key);
19
20   @override
21   Widget build(BuildContext context) {
22     final carttt = Provider.of<Cart>(context);
23
24     return Scaffold(
25       body: Padding(
26         padding: const EdgeInsets.only(top: 22),
27         child: GridView.builder(
28           gridDelegate: SliverGridDelegateWithFixedCrossAxisCount(
29             crossAxisCount: 2,
30             childAspectRatio: 3 / 2,
31             crossAxisSpacing: 10,
32             mainAxisSpacing: 33),
33           itemCount: items.length,
34           itemBuilder: (BuildContext context, int index) {
35             return GestureDetector(
36               onTap: () {
37                 Navigator.push(
38                   context,
39                   MaterialPageRoute(
40                     builder: (context) => Details(product: items[index]),
41                   ),
42               );
43             },
44             child: GridTile(
45               child: Stack(children: [
46                 Positioned(
47                   top: -3,
48                   bottom: -9,
49                   right: 0,
50                   left: 0,
51                   child: ClipRRect(
52                     borderRadius: BorderRadius.circular(55),
53                     child: Image.asset(items[index].imgPath)),
54                 ),
55               ],
56               footer: GridTileBar(
57                 // backgroundColor: Color.fromARGB(66, 73, 127, 110),
58                 trailing: IconButton(
59                   color: Color.fromARGB(255, 62, 94, 70),
60                   onPressed: () {
61                     carttt.add(items[index]);
62                   },
63                   icon: Icon(Icons.add)),
64                 leading: Text("\${items[index].price}"),
65                 title: Text(
66                   "",
67                 ),
68               ),
69             ),
70           ),
71         );
72       );
73     );
74   },
75   // continue to drawer code

```

```

1 class Item {
2   string name;
3   double price;
4   string location;
5   string range;
6   string color;
7 }
8
9 Item required this laptop,
10 required this case,
11 required this price,
12 this location = "New",
13 this color = "Red";
14 }
15
16 Item itemFromItem = {
17   ItemName: "XPS 1500 15.6",
18   price: 100,
19   location: "New York City",
20   range: "1000",
21   color: "Red"
22 };
23
24 Item itemFromItem = {
25   ItemName: "XPS 1500 15.6",
26   price: 100,
27   location: "New York City",
28   range: "1000",
29   color: "Red"
30 };
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376 Item itemFromItem = {
377   ItemName: "XPS 1500 15.6",
378   price: 100,
379   location: "New York City",
380   range: "1000",
381   color: "Red"
382 };
383
384 Item itemFromItem = {
385   ItemName: "XPS 1500 15.6",
386   price: 100,
```

Drawer Page



➤ **the background:**

Users find a wallpaper of their choice.

➤ **profile picture:**

Users find their profile picture.

➤ **User information:**

Below the profile picture, your username and email address are displayed. This provides a quick way to access their account details.

❖ **Navigation options:**

The slide page has a set of prominent navigation options that allow users to easily navigate through the various sections of the application. These options include:

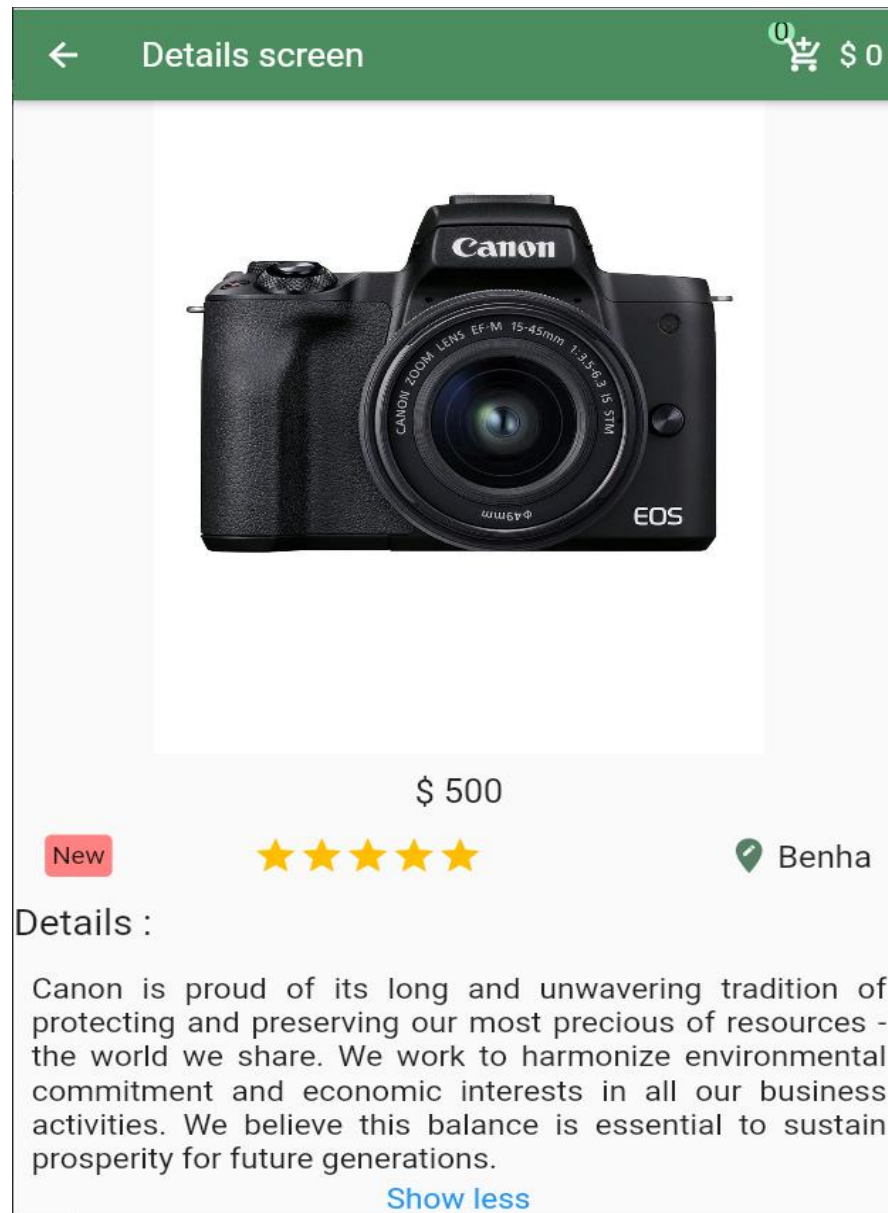
- **Home Page:** Directs users to the e-commerce app's home page, providing a quick way to explore and discover new products.
 - **My Products:** A shortcut to the user's shopping cart, allowing quick access to view and manage items added for purchase.
 - **About page:** Provides insights into the background, mission and values of an e-commerce platform, promoting trust and transparency.
 - **Logout:** Directs users to the e-commerce app's Login page, to login again.
- **Copyright:** Displays copyright information to legally communicate ownership and protection of app content.


```

1 // drawer code
2 drawer: Drawer(
3   child: Column(
4     mainAxisAlignment: MainAxisAlignment.spaceBetween,
5     children: [
6       Column(
7         children: [
8           UserAccountsDrawerHeader(
9             decoration: BoxDecoration(
10              image: DecorationImage(
11                image: AssetImage("assets/img/cover_2.jpg"),
12                fit: BoxFit.cover
13              ),
14            ),
15            currentAccountPicture: CircleAvatar(
16              radius: 50,
17              backgroundImage: AssetImage("assets/img/profile_1.jpg"),
18            ),
19            accountEmail: Text(
20              '$email',
21              style: TextStyle(
22                color: Colors.white,
23                fontSize: 16,
24                fontWeight: FontWeight.w500,
25              ),
26            ),
27            accountName: Text(
28              '$username',
29              style: TextStyle(
30                color: Colors.white,
31                fontSize: 16,
32                fontWeight: FontWeight.w500,
33              ),
34            ),
35            ListTile(
36              title: Text("Home"),
37              leading: Icon(Icons.home),
38              onTap: () {
39                Navigator.push(
40                  context,
41                  MaterialPageRoute(
42                    builder: (context) => Home(),
43                  ),
44                );
45              },
46            ),
47            ListTile(
48              title: Text("My products"),
49              leading: Icon(Icons.add_shopping_cart),
50              onTap: () {
51                Navigator.push(
52                  context,
53                  MaterialPageRoute(
54                    builder: (context) => CheckOut(),
55                  ),
56                );
57              },
58            ),
59            ListTile(
60              title: Text("About"),
61              leading: Icon(Icons.help_center),
62              onTap: () {
63                Navigator.push(
64                  context,
65                  MaterialPageRoute(
66                    builder: (context) => About(),
67                  ),
68                );
69              },
70            ),
71            ListTile(
72              title: Text("Logout"),
73              leading: Icon(Icons.exit_to_app),
74              onTap: () {
75                Navigator.push(
76                  context,
77                  MaterialPageRoute(
78                    builder: (context) => Login(),
79                  ),
80                );
81              },
82            ),
83          ],
84        ),
85        Container(
86          margin: EdgeInsets.only(bottom: 12),
87          child: Text(
88            "Developed by : mostafa, nada, Doha, Fatma, Rehab © 2024",
89            style: TextStyle(fontSize: 13.5)),
90        ),
91      ],
92    ),
93    appBar: AppBar(
94      actions: [ProductsAndPrice()],
95      backgroundColor: appBarGreen,
96      title: Text("Home"),
97    );

```

Details Page



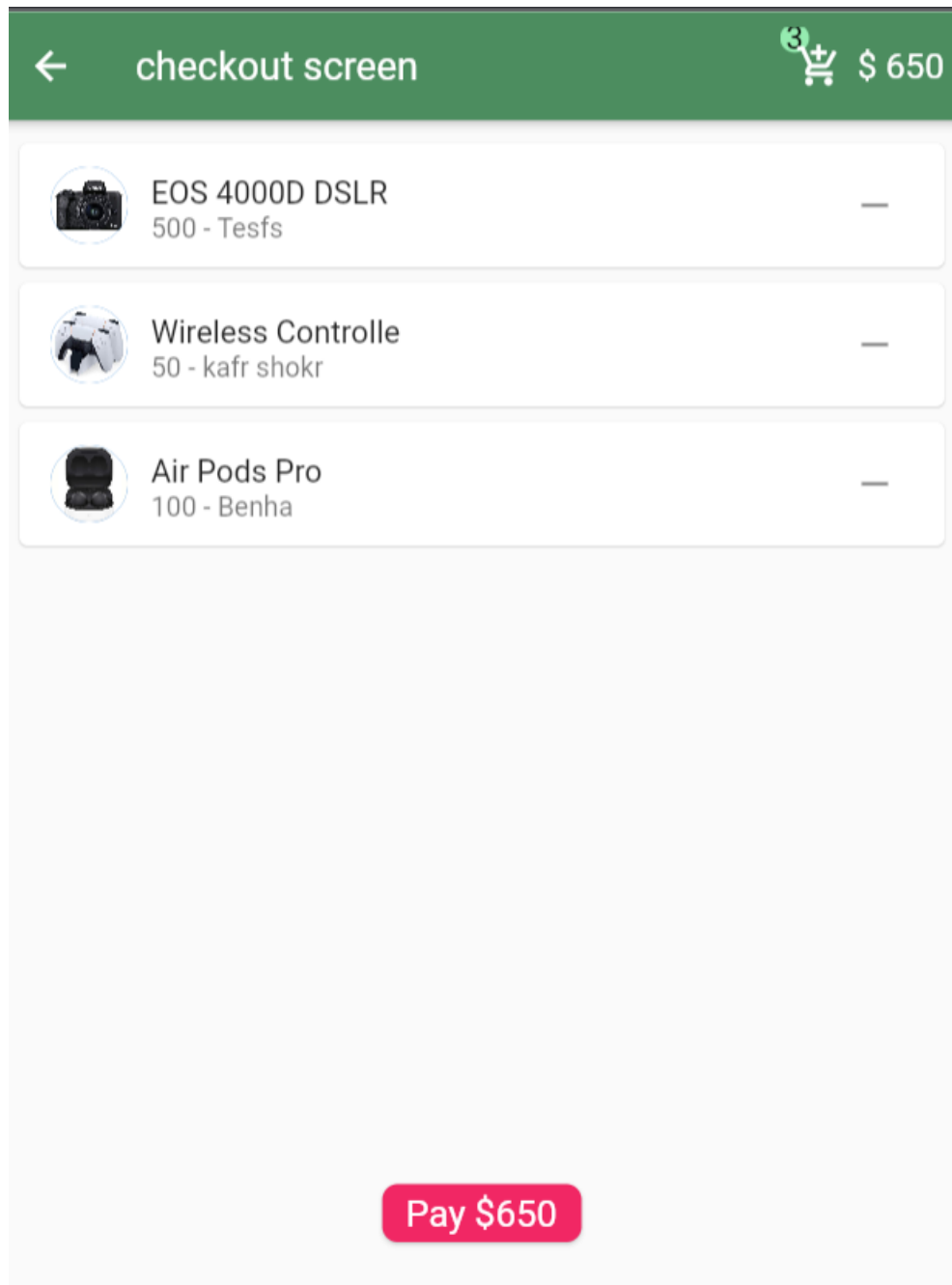
- ❖ **This is the product details page:** where users can see the product details clearly. The product location, price, and star rating, providing essential information at a glance. Users have the option to click 'Show more' to view additional details or 'Show less' to reduce the displayed information, ensuring a seamless and convenient user experience. Additionally, users can comfortably read the details using the zoom feature if the text is long. This page allows you to quickly and easily understand the product details.

```

1 import 'package:electronic_app/model/item.dart';
2 import 'package:electronic_app/shared/appbar.dart';
3 import 'package:electronic_app/shared/colors.dart';
4 import 'package:flutter/material.dart';
5
6 class Details extends StatefulWidget {
7   Item product;
8   Details({required this.product});
9
10  @override
11  State<Details> createState() => _DetailsState();
12 }
13
14 class _DetailsState extends State<Details> {
15   // const Details({Key? key}) : super(key: key);
16   bool isShowMore = true;
17
18   @override
19   Widget build(BuildContext context) {
20     return Scaffold(
21       appBar: AppBar(
22         actions: [ProductsAndPrice()],
23         backgroundColor: appbarGreen,
24         title: Text("Details screen"),
25       ),
26       body: SingleChildScrollView(
27         child: Column(
28           children: <Widget>[
29             image.asset(
30               widget.product.imgPath,
31               height: 470,
32             ),
33             SizedBox(
34               height: 11,
35             ),
36             text(
37               "\$ ${widget.product.price}",
38               style: TextStyle(fontWeight: 20),
39             ),
40             SizedBox(
41               height: 16,
42             ),
43             Row(
44               mainAxisAlignment: MainAxisAlignment.spaceAround,
45               children: [
46                 Container(
47                   padding: EdgeInsets.all(4),
48                   child: Text(
49                     "New",
50                     style: TextStyle(fontWeight: 15),
51                   ),
52                   decoration: BoxDecoration(
53                     color: Color.fromARGB(255, 255, 129, 129),
54                     borderRadius: BorderRadius.circular(4),
55                   ),
56                 ),
57                 SizedBox(
58                   width: 8,
59                 ),
60                 Row(
61                   children: [
62                     Icon(
63                       Icons.star,
64                       size: 26,
65                       color: Color.fromARGB(255, 255, 191, 0),
66                     ),
67                     Icon(
68                       Icons.star,
69                       size: 26,
70                       color: Color.fromARGB(255, 255, 191, 0),
71                     ),
72                     Icon(
73                       Icons.star,
74                       size: 26,
75                       color: Color.fromARGB(255, 255, 191, 0),
76                     ),
77                     Icon(
78                       Icons.star,
79                       size: 26,
80                       color: Color.fromARGB(255, 255, 191, 0),
81                     ),
82                     Icon(
83                       Icons.star,
84                       size: 26,
85                       color: Color.fromARGB(255, 255, 191, 0),
86                     ),
87                   ],
88                 ),
89                 SizedBox(
90                   width: 66,
91                 ),
92                 Row(
93                   children: [
94                     Icon(
95                       Icons.edit_location,
96                       size: 26,
97                       color: Color.fromARGB(168, 3, 65, 27),
98                       // color: Color.fromARGB(255, 186, 30, 30),
99                     ),
100                     SizedBox(
101                       width: 3,
102                     ),
103                     text(
104                       widget.product.location,
105                       style: TextStyle(fontWeight: 19),
106                     ),
107                   ],
108                 ),
109             ),
110             SizedBox(
111               height: 16,
112             ),
113             SizedBox(
114               width: double.infinity,
115               child: Text(
116                 "Details : ",
117                 style: TextStyle(fontWeight: 22),
118                 textAlign: TextAlign.start,
119               ),
120             ),
121             SizedBox(
122               height: 16,
123             ),
124             Column(
125               children: [
126                 padding(
127                   padding: EdgeInsets.symmetric(horizontal: 10),
128                   child: Text(
129                     "${widget.product.desc}",
130                     style: TextStyle(
131                       fontWeight: 18,
132                     ),
133                     textAlign: TextAlign.justify,
134                     maxLines: isShowMore ? 3 : null,
135                     overflow: TextOverflow.fade,
136                   ),
137                 ),
138                 TextButton(
139                   onPressed: () {
140                     setState(() {
141                       isShowMore = !isShowMore;
142                     });
143                   },
144                   child: Text(
145                     isShowMore ? "Show more" : "Show less",
146                     style: TextStyle(
147                       fontWeight: 18,
148                     ),
149                   ),
150                 ),
151             ),
152           ],
153         ),
154       );
155   }
156 }
157

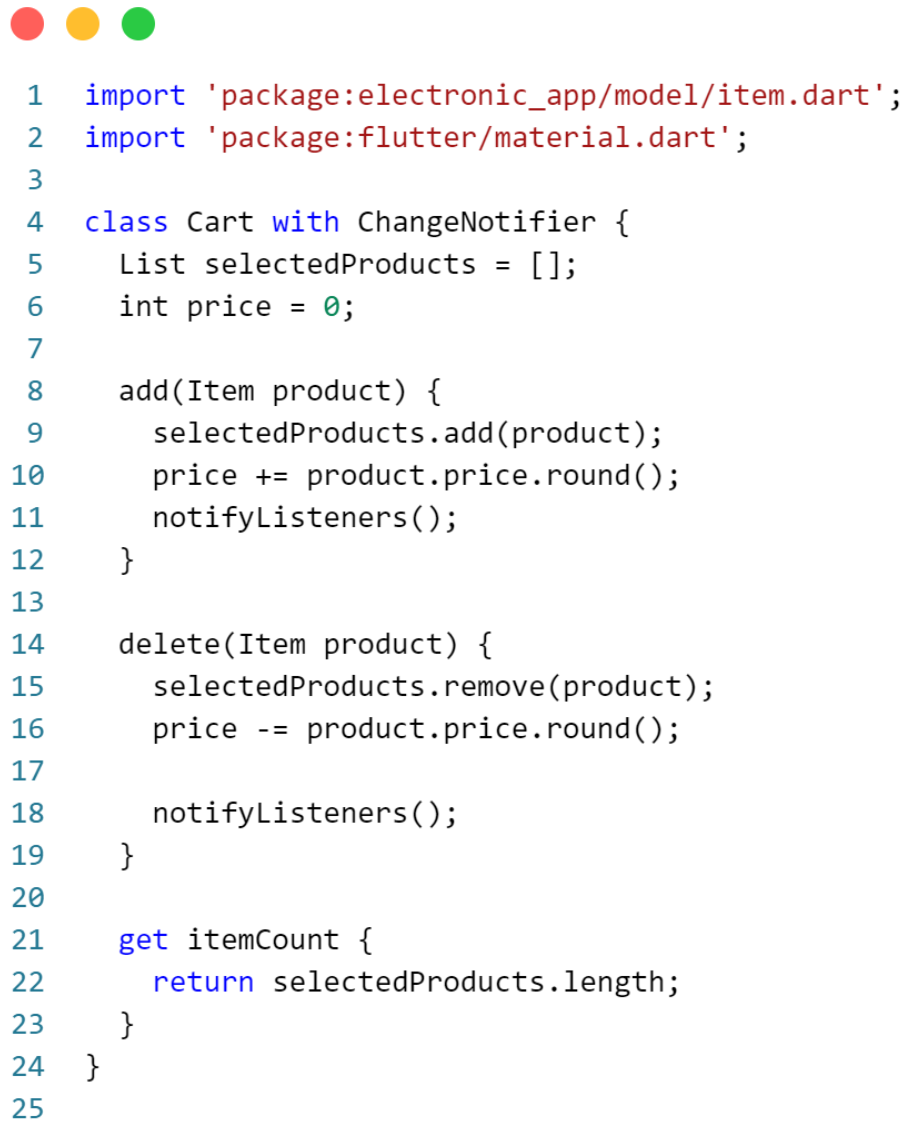
```

Checkout Page



- ❖ **The check-out page** is a crucial step in the purchasing process where users review and finalize their orders before completing the transaction. The check-out page typically includes the following key elements and rules:

- ❖ **Order Summary:** Display a summary of the user's selected items, including product names, quantities, prices, and any applicable discounts or promotions. This allows users to review their selections and make any necessary adjustments.
- ❖ **Order Total:** Show the total cost of the order, including item prices, taxes, shipping fees, and any other relevant charges. Ensure that the total is updated dynamically as users make changes to their selections.

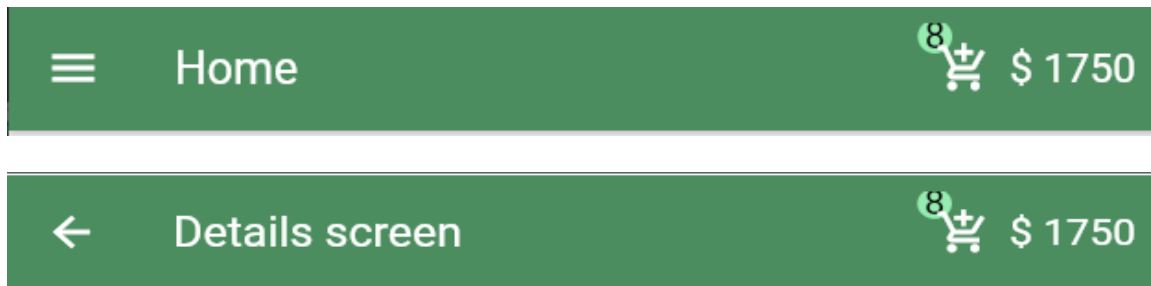


```
1 import 'package:electronic_app/model/item.dart';
2 import 'package:flutter/material.dart';
3
4 class Cart with ChangeNotifier {
5   List selectedProducts = [];
6   int price = 0;
7
8   add(Item product) {
9     selectedProducts.add(product);
10    price += product.price.round();
11    notifyListeners();
12  }
13
14  delete(Item product) {
15    selectedProducts.remove(product);
16    price -= product.price.round();
17
18    notifyListeners();
19  }
20
21  get itemCount {
22    return selectedProducts.length;
23  }
24 }
25
```



```
1 import 'package:electronic_app/model/item.dart';
2 import 'package:electronic_app/provider/cart.dart';
3 import 'package:electronic_app/shared/appbar.dart';
4 import 'package:electronic_app/shared/colors.dart';
5 import 'package:flutter/material.dart';
6 import 'package:provider/provider.dart';
7
8 class CheckOut extends StatelessWidget {
9   const CheckOut({Key? key}) : super(key: key);
10
11   @override
12   Widget build(BuildContext context) {
13     final carttt = Provider.of<Cart>(context);
14     return Scaffold(
15       appBar: AppBar(
16         backgroundColor: appbarGreen,
17         title: Text("checkout screen"),
18         actions: [ProductsAndPrice()],
19       ),
20       body: Column(
21         children: [
22           SingleChildScrollView(
23             child: SizedBox(
24               height: 550,
25               child: ListView.builder(
26                 padding: const EdgeInsets.all(8),
27                 itemCount: carttt.selectedProducts.length,
28                 itemBuilder: (BuildContext context, int index) {
29                   return Card(
30                     child: ListTile(
31                       title: Text(carttt.selectedProducts[index].name),
32                       subtitle: Text(
33                         "${carttt.selectedProducts[index].price} - ${carttt.selectedProducts[index].location}"),
34                       leading: CircleAvatar(
35                         backgroundImage: AssetImage(
36                           carttt.selectedProducts[index].imgPath),
37                       ),
38                       trailing: IconButton(
39                         onPressed: () {
40                           carttt.delete(carttt.selectedProducts[index]);
41                         },
42                         icon: Icon(Icons.remove)),
43                     ),
44                   );
45                 },
46             ),
47           ),
48           ElevatedButton(
49             onPressed: () {},
50             style: ButtonStyle(
51               backgroundColor: MaterialStateProperty.all(BTNpink),
52               padding: MaterialStateProperty.all(EdgeInsets.all(12)),
53               shape: MaterialStateProperty.all(RoundedRectangleBorder(
54                 borderRadius: BorderRadius.circular(8))),
55             ),
56             child: Text(
57               "Pay \${carttt.price}",
58               style: TextStyle(fontSize: 19),
59             ),
60           ),
61         ],
62       ),
63     );
64   }
65 }
66
```


App-Bar Page



➤ **Navigation buttons:**

The app bar contains navigation buttons such as the back button, allowing users to easily navigate between screens within the app.

➤ **Shopping cart icon:**

An icon representing the user's shopping cart is a common feature, which provides a visual cue about the items currently in the user's shopping cart. It allows users to easily access and manage their shopping cart.

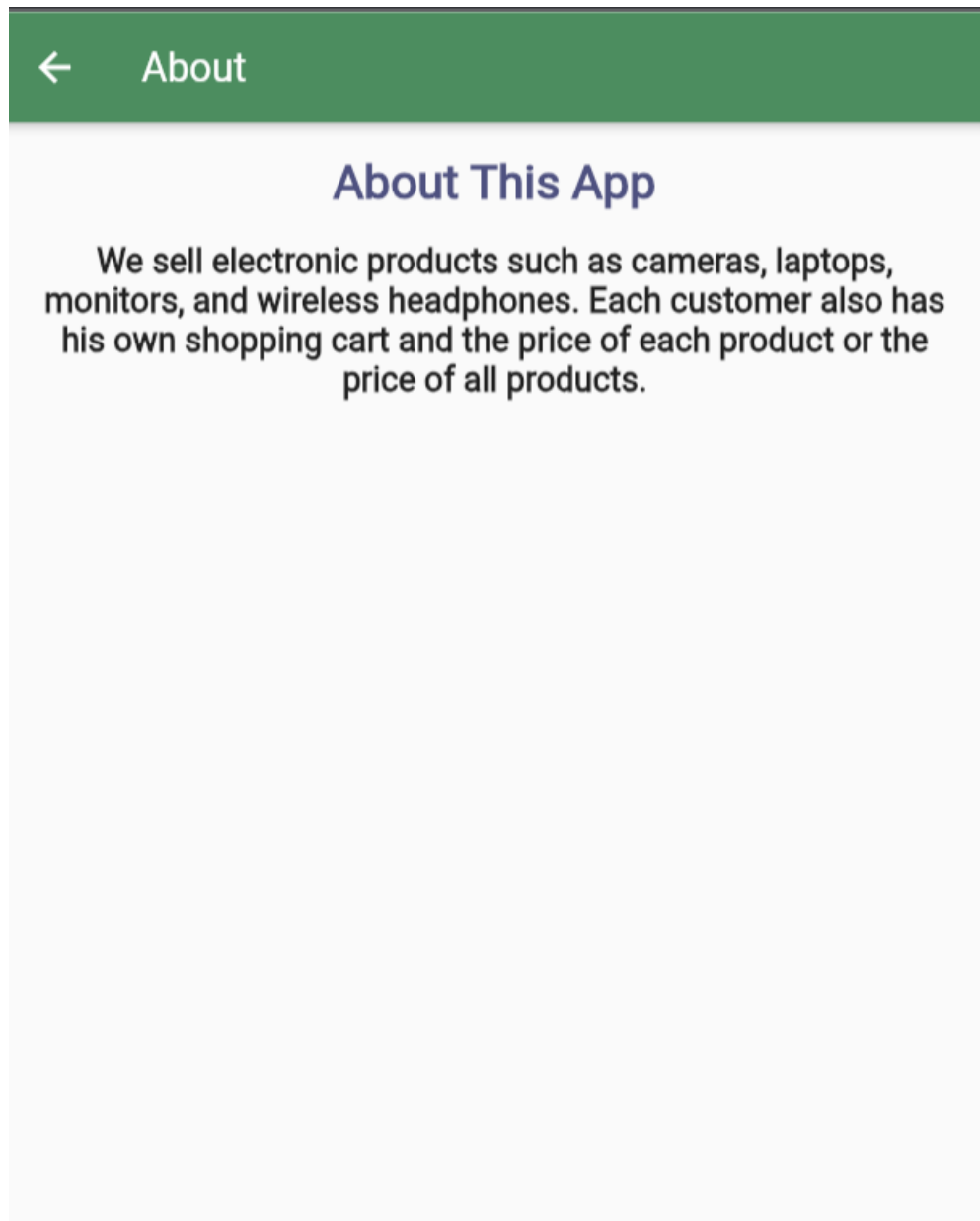
➤ **User account information:**

The app bar can display information related to the user, such as a profile picture or username. Clicking on this section can lead to the user account settings.



```
1 import 'package:electronic_app/pages/checkout.dart';
2 import 'package:electronic_app/provider/cart.dart';
3 import 'package:flutter/material.dart';
4 import 'package:provider/provider.dart';
5
6 class ProductsAndPrice extends StatelessWidget {
7   const ProductsAndPrice({Key? key}) : super(key: key);
8
9   @override
10  Widget build(BuildContext context) {
11    final carttt = Provider.of<Cart>(context);
12    return Row(
13      children: [
14        Stack(
15          children: [
16            Positioned(
17              bottom: 21.5,
18              child: Container(
19                padding: EdgeInsets.all(3),
20                decoration: BoxDecoration(
21                  color: Color.fromARGB(211, 164, 255, 193),
22                  shape: BoxShape.circle),
23              child: Text(
24                "${carttt.itemCount}",
25                style: TextStyle(
26                  fontSize: 16, color: Color.fromARGB(255, 0, 0, 0)),
27              )),
28          ],
29          IconButton(
30            onPressed: () {
31              Navigator.push(
32                context,
33                MaterialPageRoute(
34                  builder: (context) => CheckOut(),
35                ),
36            );
37          },
38          icon: Icon(Icons.add_shopping_cart),
39        ),
40      ],
41    ),
42    Padding(
43      padding: const EdgeInsets.only(right: 12),
44      child: Text(
45        "\$ ${carttt.price}",
46        style: TextStyle(fontSize: 18),
47      ),
48    ),
49  ],
50 );
51 }
52 }
53
```

About Page



➤ **About page:**

Contains an overview of what the application does.



```
1 import 'package:electronic_app/shared/colors.dart';
2 import 'package:flutter/material.dart';
3
4 class About extends StatelessWidget {
5   @override
6   Widget build(BuildContext context) {
7     return Scaffold(
8       appBar: AppBar(
9         backgroundColor: appBarGreen,
10        title: Text("About"),
11      ),
12      body: Padding(
13        padding: const EdgeInsets.all(16.0),
14        child: Column(
15          crossAxisAlignment: CrossAxisAlignment.center,
16          children: [
17            Text(
18              'About This App',
19              style: TextStyle(
20                color: Color.fromRGBO(78, 81, 128, 1),
21                fontSize: 24,
22                fontWeight: FontWeight.bold,
23              ),
24            ),
25            SizedBox(height: 16),
26            Text(
27              """
28              We sell electronic products such as cameras,
29              laptops, monitors, and wireless headphones.
30              Each customer also has his own shopping cart and
31              the price of each product or the price of all products.
32              """,
33              style: TextStyle(
34                fontSize: 17,
35                fontWeight: FontWeight.bold,
36                fontFamily: AutofillHints.birthdayMonth,
37                textAlign: TextAlign.center,
38              ),
39            ),
40          ],
41        ),
42      );
43    }
44  }
45 }
```

Shared Page

❖ Decoration Text Field:



```
1  import 'package:flutter/material.dart';
2
3  const decorationTextfield = InputDecoration(
4
5    // To delete borders
6    enabledBorder: OutlineInputBorder(
7      borderSide: BorderSide.none,
8    ),
9    focusedBorder: OutlineInputBorder(
10     borderSide: BorderSide(
11       color: Colors.grey,
12     ),
13   ),
14   // fillColor: Colors.red,
15   filled: true,
16   contentPadding: EdgeInsets.all(8),
17 );
18
```

❖ Colors:



```
1 import 'package:flutter/material.dart';  
2  
3 const BTNpink = Color.fromARGB(255, 241, 39, 100);  
4 const BTNgreen = Color.fromARGB(255, 73, 179, 105);  
5 const appBarGreen = Color.fromARGB(255, 76, 141, 95);
```

Thank you