



Bharatiya Vidya Bhavan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
(Autonomous Institute Affiliated to University of Mumbai)
Munshi Nagar, Andheri (W), Mumbai – 400 058.
Department of Computer Science and Engineering

Experiment	3
Aim	Create an E-Commerce app using Bottom Navigation
Objective	<ul style="list-style-type: none">• To Create E-Commerce App• To Develop Bottom Navigation• To Use 60-30-10 rule
Name	Atharva Vasant Angre
UCID	2024510001
Class	FYMCA
Batch	A
Date of Submission	09.02.2025

Technology used	Flutter
Task	Develop an e-commerce app with Bottom Navigation Bar with 4 tabs: Home, Browse list of Products (Atleast 5 products) and see product details (image, name, price, and description), Profile and Cart.
Code with proper label	Main.dart <pre>import 'package:flutter/material.dart'; import 'package:get/get.dart'; import 'CommonWidgets/bottomNavigation/commonBottomBarController.dart'; import 'Screens/mainScreen.dart'; void main() { Get.put(BottomNavigationController()); runApp(const MyApp()); } class MyApp extends StatelessWidget { const MyApp({super.key}); // This widget is the root of your application. @override Widget build(BuildContext context) { return GetMaterialApp(debugShowCheckedModeBanner: false, home: MainScreen(),); } }</pre> mainScreen.dart <pre>import 'package:flutter/material.dart'; import 'package:get/get.dart'; import 'package:lab3/Screens/cartScreen.dart'; import 'package:lab3/Screens/homeScreen.dart'; import 'package:lab3/Screens/productScreen.dart'; import 'package:lab3/Screens/profileScreen.dart'; import '../CommonWidgets/bottomNavigation/commonBottomBar.dart'; import</pre>



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	<pre>'../CommonWidgets/bottomNavigation/commonBottomBarController.dart'; class MainScreen extends StatefulWidget { const MainScreen({super.key}); @override State<MainScreen> createState() => _MainScreenState(); } class _MainScreenState extends State<MainScreen> { final BottomNavigationController bottomNavController = Get.put(BottomNavigationController()); @override Widget build(BuildContext context) { return Scaffold(appBar: AppBar(toolbarHeight: 100, title: Row(children: [Image.asset("assets/images/brand_logo.png"), Text("JUST DO IT!", style: TextStyle(fontWeight: FontWeight.w900)),],), body: Container(height: Get.height * 0.894, child: _main(),), bottomNavigationBar: CommonBottomNav(),); } _main() { return Obx(() { switch (Get .find<BottomNavigationController>() .selectedIndex .value) { case 0: print("HomeScreen"); print(Get .find<BottomNavigationController>() .selectedIndex .value); return HomeScreen(); case 1: print("ProductScreen"); print(Get .find<BottomNavigationController>() .selectedIndex .value); return ProductScreen(); case 2: print("ProfileScreen"); print(Get .find<BottomNavigationController>() .selectedIndex .value); return ProfileScreen(); case 3: print("Cartscreen");</pre>
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```
print(Get
  .find<BottomNavigationController>()
  .selectedIndex
  .value);
return CartScreen();
default:
  return HomeScreen();
}
});
}
```

homeScreen.dart

```
import 'package:flutter/material.dart';
import 'package:get/get.dart';
import 'package:get/get_state_manager/src/simple/get_view.dart';
import '../Controllers/homeScreenController.dart';

class HomeScreen extends GetView<HomeScreenController> {
  const HomeScreen({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SingleChildScrollView(
        child: Column(
          spacing: Get.height * 0.02,
          children: [
            Column(
              children: [
                Container(
                  width: Get.width * 1,
                  child: Column(
                    crossAxisAlignment: CrossAxisAlignment.center,
                    spacing: Get.height * 0.025,
                    children: [
                      Text(
                        "YOUR FEET DESERVE",
                        style:
                          TextStyle(fontWeight: FontWeight.w900, fontSize: 40),
                      ),
                      Text(
                        "THE BEST",
                        style:
                          TextStyle(fontWeight: FontWeight.w900, fontSize: 40),
                      ),
                    ],
                  ),
                ),
                Image.asset(
                  "assets/images/NIKE_Main.png",
                  height: Get.height * 0.2,
                ),
                Container(
                  width: Get.width * 1,
                  padding: EdgeInsets.symmetric(horizontal: Get.width * 0.025),
                  child: Column(
```



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```
crossAxisAlignment: CrossAxisAlignment.start,
spacing: Get.height * 0.025,
children: [
  Text(
    "Experience unmatched comfort and style with shoes crafted for
every step. Because your feet deserve nothing but the best.",
    style: TextStyle(
      fontWeight: FontWeight.w500, fontSize: 20),
    textAlign: TextAlign.center),
  ],
),
),
],
),
Column(
  children: [
    Text(
      "Visit Our Stores",
      style: TextStyle(fontWeight: FontWeight.w900, fontSize: 30),
    ),
    Container(
      margin: EdgeInsets.symmetric(horizontal: Get.width * 0.055),
      // color: Colors.blue,
      padding: EdgeInsets.zero,
      child: SingleChildScrollView(
        child: Column(
          spacing: Get.height * 0.025,
          mainAxisAlignment: MainAxisAlignment.start,
          children: [
            Container(
              margin: EdgeInsets.symmetric(horizontal: Get.width * 0.15),
              width: Get.width * 0.8,
              padding: EdgeInsets.all(10),
              decoration: BoxDecoration(
                border: Border.all(color: Colors.black),
                borderRadius: BorderRadius.all(Radius.circular(10))),
              child: Column(
                spacing: Get.height * 0.005,
                children: [
                  Icon(Icons.location_on_outlined),
                  Text("Nike Jio World Drive",
                    style: TextStyle(
                      fontWeight: FontWeight.w900, fontSize: 20),
                    textAlign: TextAlign.center),
                  Text(
                    "G-32 & F-30, Jio World Drive Mall, Makers Maxity
Avenue, Near Family court, Bandra Kurla Complex, Bandra East Mumbai,
Maharashtra, 400051.",
                    style: TextStyle(
                      fontWeight: FontWeight.w500, fontSize: 20),
                    textAlign: TextAlign.center),
                  Text("Opens at 9:00 am • Closes at 10:00 pm",
                    style: TextStyle(fontStyle: FontStyle.italic,
                      fontWeight: FontWeight.w500, fontSize: 15),
                    textAlign: TextAlign.center),
                ],
              ),
            ),
          ],
        ),
      ),
    ),
  ],
),
Container(
```



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```
margin: EdgeInsets.symmetric(horizontal: Get.width * 0.15),
padding: EdgeInsets.all(10),
width: Get.width * 0.8,
decoration: BoxDecoration(
    border: Border.all(color: Colors.black),
    borderRadius: BorderRadius.all(Radius.circular(10))),
child: Column(
    spacing: Get.height * 0.005,
    children: [
        Icon(Icons.location_on_outlined),
        Text("Nike Colaba 1",
            style: TextStyle(
                fontWeight: FontWeight.w900, fontSize: 20),
            textAlign: TextAlign.center),
        Text(
            "Shahid Bhagat Singh Marg, Colaba,Mumbai, Maharashtra,
400001.",
            style: TextStyle(
                fontWeight: FontWeight.w500, fontSize: 20),
            textAlign: TextAlign.center),
        Text("Opens at 9:00 am • Closes at 10:00 pm",
            style: TextStyle(fontStyle: FontStyle.italic,
                fontWeight: FontWeight.w500, fontSize: 15),
            textAlign: TextAlign.center),
    ],
),
),
],
),
),
),
),
),
),
),
),
),
);
}
```

productScreen.dart

```
import 'package:flutter/material.dart';
import 'package:get/get.dart';
import 'package:get/get_core/src/get_main.dart';

class ProductScreen extends StatefulWidget {
  const ProductScreen({super.key});

  @override
  State<ProductScreen> createState() => _ProductScreenState();
}

class _ProductScreenState extends State<ProductScreen> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SingleChildScrollView(
        child: Column(
```



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```
spacing: Get.height * 0.025,
children: [
  Row(
    mainAxisAlignment: MainAxisAlignment.spaceEvenly,
    children: [
      Container(
        padding: EdgeInsets.all(10),
        width: Get.width * 0.45,
        height: Get.height * 0.35,
        decoration: BoxDecoration(
          border: Border.all(color: Colors.black),
          borderRadius: BorderRadius.all(Radius.circular(10))),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          children: [
            Image.asset("assets/images/shoe1.png"),
            Text("Nike Downshifter 13",
              style: TextStyle(
                fontWeight: FontWeight.w900, fontSize: 20),
              textAlign: TextAlign.center),
            Text(
              "Men's Road Running Shoe",
              style: TextStyle(
                fontWeight: FontWeight.w500, fontSize: 20),
              textAlign: TextAlign.center),
            Text("MRP : ₹ 4,295.00",
              style: TextStyle(fontStyle: FontStyle.italic,
                fontWeight: FontWeight.w500, fontSize: 15),
              textAlign: TextAlign.center),
          ],
        ),
      ),
      Container(
        padding: EdgeInsets.all(10),
        width: Get.width * 0.45,
        height: Get.height * 0.35,
        decoration: BoxDecoration(
          border: Border.all(color: Colors.black),
          borderRadius: BorderRadius.all(Radius.circular(10))),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          children: [
            Image.asset("assets/images/shoe2.png"),
            Text("Nike Dunk Low Retro",
              style: TextStyle(
                fontWeight: FontWeight.w900, fontSize: 20),
              textAlign: TextAlign.center),
            Text(
              "Men's Shoes",
              style: TextStyle(
                fontWeight: FontWeight.w500, fontSize: 20),
              textAlign: TextAlign.center),
            Text("MRP : ₹ 8,295.00",
              style: TextStyle(fontStyle: FontStyle.italic,
                fontWeight: FontWeight.w500, fontSize: 15),
              textAlign: TextAlign.center),
          ],
        ),
      ),
    ],
  ),
),
```



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```
],
),
Row(
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,
  children: [
    Container(
      padding: EdgeInsets.all(10),
      width: Get.width * 0.45,
      height: Get.height * 0.38,
      decoration: BoxDecoration(
        border: Border.all(color: Colors.black),
        borderRadius: BorderRadius.all(Radius.circular(10))),
      child: Column(
        mainAxisAlignment: MainAxisAlignment.spaceEvenly,
        children: [
          Image.asset("assets/images/shoe3.png",),
          Text("Nike Air Max Ishod",
            style: TextStyle(
              fontWeight: FontWeight.w900, fontSize: 20),
            textAlign: TextAlign.center),
          Text(
            "Men's Shoes",
            style: TextStyle(
              fontWeight: FontWeight.w500, fontSize: 20),
            textAlign: TextAlign.center),
          Text("MRP : ₹ 9,207.00",
            style: TextStyle(fontStyle: FontStyle.italic,
              fontWeight: FontWeight.w500, fontSize: 15),
            textAlign: TextAlign.center),
        ],
      ),
    ),
    Container(
      padding: EdgeInsets.all(10),
      width: Get.width * 0.45,
      height: Get.height * 0.38,
      decoration: BoxDecoration(
        border: Border.all(color: Colors.black),
        borderRadius: BorderRadius.all(Radius.circular(10))),
      child: Column(
        mainAxisAlignment: MainAxisAlignment.spaceEvenly,
        children: [
          Image.asset("assets/images/shoe4.png" ),
          Text("Nike Legend Essential 3 Next Nature",
            style: TextStyle(
              fontWeight: FontWeight.w900, fontSize: 20),
            textAlign: TextAlign.center),
          Text(
            "Men's Workout Shoes",
            style: TextStyle(
              fontWeight: FontWeight.w500, fontSize: 20),
            textAlign: TextAlign.center),
          Text("MRP : ₹ 4,995.00",
            style: TextStyle(fontStyle: FontStyle.italic,
              fontWeight: FontWeight.w500, fontSize: 15),
            textAlign: TextAlign.center),
        ],
      ),
    ),
  ],
),
```



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	<pre>),],), Row(mainAxisAlignment: MainAxisAlignment.spaceEvenly, children: [Container(padding: EdgeInsets.all(10), width: Get.width * 0.45, height: Get.height * 0.35, decoration: BoxDecoration(border: Border.all(color: Colors.black), borderRadius: BorderRadius.all(Radius.circular(10))), child: Column(mainAxisAlignment: MainAxisAlignment.spaceEvenly, children: [Image.asset("assets/images/shoe5.png"), Text("Nike Impact 4", style: TextStyle(fontWeight: FontWeight.w900, fontSize: 20), textAlign: TextAlign.center), Text("Basketball Shoes", style: TextStyle(fontWeight: FontWeight.w500, fontSize: 20), textAlign: TextAlign.center), Text("MRP : ₹ 8,067.00", style: TextStyle(fontStyle: FontStyle.italic, fontWeight: FontWeight.w500, fontSize: 15), textAlign: TextAlign.center),],),), Container(padding: EdgeInsets.all(10), width: Get.width * 0.45, height: Get.height * 0.35, decoration: BoxDecoration(border: Border.all(color: Colors.black), borderRadius: BorderRadius.all(Radius.circular(10))), child: Column(mainAxisAlignment: MainAxisAlignment.spaceEvenly, children: [Image.asset("assets/images/shoe6.png"), Text("Nike Free RN NN", style: TextStyle(fontWeight: FontWeight.w900, fontSize: 20), textAlign: TextAlign.center), Text("Men's Road Running Shoes", style: TextStyle(fontWeight: FontWeight.w500, fontSize: 20), textAlign: TextAlign.center), Text("MRP : ₹ 8,257.00", style: TextStyle(fontStyle: FontStyle.italic, fontWeight: FontWeight.w500, fontSize: 15), textAlign: TextAlign.center),],),),],),</pre>
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```
),  
,  
  
],  
,  
],  
,  
,  
);  
}  
}
```

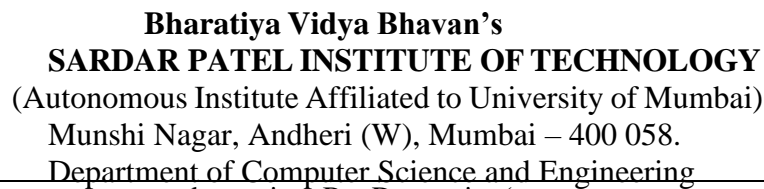
profileScreen.dart

```
import 'package:flutter/cupertino.dart';  
import 'package:flutter/material.dart';  
import 'package:get/get.dart';  
  
class ProfileScreen extends StatefulWidget {  
  const ProfileScreen({ super.key });  
  
  @override  
  State<ProfileScreen> createState() => _ProfileScreenState();  
}  
  
class _ProfileScreenState extends State<ProfileScreen> {  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      body: SingleChildScrollView(  
        child: Column(  
          spacing: Get.height * 0.025,  
          children: [  
            Container(  
              width: Get.width * 1,  
              child: Column(  
                crossAxisAlignment: CrossAxisAlignment.center,  
                children: [  
                  Container(  
                    decoration: BoxDecoration(  
                      border: Border.all(  
                        color: Colors.black,  
                        width: 2,  
                      ),  
                      borderRadius: BorderRadius.circular(200)),  
                  child: ClipOval(  
                    child: Image.asset(  
                      'assets/images/img.png',  
                      height: Get.height * 0.25,  
                      width: Get.height * 0.25,  
                      fit: BoxFit.cover,  
                    )),  
                ],  
              ),  
            ),  
            SizedBox(height: 16),  
            Text(  
              "Atharva Vasant Angre",  
              style: TextStyle(  
                fontSize: 35,
```



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```
color: Colors.black,
fontWeight: FontWeight.bold,
),
),
],
),
),
Container(
  child: Column(
    spacing: Get.height * 0.020,
    children: [
      Row(
        mainAxisAlignment: MainAxisAlignment.spaceEvenly,
        children: [
          Container(
            width: Get.width * 0.45,
            padding: EdgeInsets.all(15),
            decoration: BoxDecoration(
              borderRadius: BorderRadius.circular(8),
              border: Border.all(color: Colors.grey)),
            child: Row(
              spacing: Get.width * 0.025,
              children: [
                Icon(
                  CupertinoIcons.cube_box,
                  color: Colors.grey.shade800,
                ),
                Text(
                  'Orders',
                  style: TextStyle(fontWeight: FontWeight.bold),
                )
              ],
            ),
          ),
          Container(
            width: Get.width * 0.45,
            padding: EdgeInsets.all(15),
            decoration: BoxDecoration(
              borderRadius: BorderRadius.circular(8),
              border: Border.all(color: Colors.grey)),
            child: Row(
              spacing: Get.width * 0.025,
              children: [
                Icon(Icons.rocket_launch_outlined),
                Text(
                  'Insider',
                  style: TextStyle(fontWeight: FontWeight.bold),
                )
              ],
            ),
          ),
        ],
      ),
    ],
  ),
  Row(
    mainAxisAlignment: MainAxisAlignment.spaceEvenly,
    children: [
      Container(
        width: Get.width * 0.45,
        padding: EdgeInsets.all(15),
```



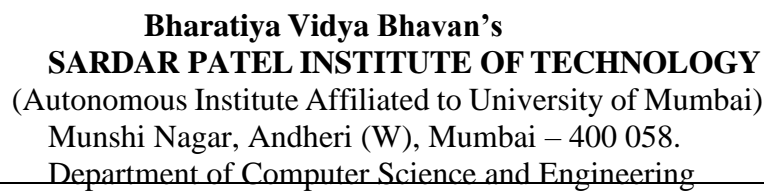
```
decoration: BoxDecoration(
    borderRadius: BorderRadius.all(Radius.circular(8)),
    border: Border.all(color: Colors.grey)),
child: Row(
    spacing: Get.width * 0.025,
    children: [
        Icon(
            Icons.headset_mic_outlined,
            color: Colors.grey.shade800,
        ),
        Text(
            'Help Center',
            style: TextStyle(fontWeight: FontWeight.bold),
        )
    ],
),
),
Container(
    width: Get.width * 0.45,
    padding: EdgeInsets.all(15),
    decoration: BoxDecoration(
        borderRadius: BorderRadius.all(Radius.circular(8)),
        border: Border.all(color: Colors.grey)),
    child: Row(
        spacing: Get.width * 0.025,
        children: [
            Icon(Icons.discount_outlined),
            Text(
                'Coupons',
                style: TextStyle(fontWeight: FontWeight.bold),
            )
        ],
    ),
),
),
],
)
],
),
),
),
Container(
    child: Column(
        spacing: Get.height * 0.025,
        children: [
            Container(
                margin: EdgeInsets.symmetric(horizontal: Get.width * 0.035),
                decoration: BoxDecoration(
                    border: Border.all(color: Colors.grey, width: 1),
                    borderRadius: BorderRadius.circular(8),
                ),
                child: ListTile(
                    leading: Icon(CupertinoIcons.heart),
                    title: Text("Wishlist"),
                    subtitle: Text("Your most Loved Styles"),
                    trailing: Icon(Icons.arrow_forward_ios_rounded),
                ),
            ),
            Container(
                margin: EdgeInsets.symmetric(horizontal: Get.width * 0.035),
                decoration: BoxDecoration(
```



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```
border: Border.all(color: Colors.grey, width: 1),
borderRadius: BorderRadius.circular(8),
),
child: ListTile(
  leading: Icon(Icons.account_balance_wallet_outlined),
  title: Text("Earn and Redeem"),
  subtitle:
    Text("Scan Coupons, view prizes and earn rewards"),
  trailing: Icon(Icons.arrow_forward_ios_rounded),
),
),
Container(
  margin: EdgeInsets.symmetric(horizontal: Get.width * 0.035),
  decoration: BoxDecoration(
    border: Border.all(color: Colors.grey, width: 1),
    borderRadius: BorderRadius.circular(8),
  ),
  child: ListTile(
    leading: Icon(CupertinoIcons.settings),
    title: Text("Account Settings"),
    subtitle: Text("Manage your Account"),
    trailing: Icon(Icons.arrow_forward_ios_rounded),
  ),
),
Container(
  margin: EdgeInsets.symmetric(horizontal: Get.width * 0.035),
  decoration: BoxDecoration(
    border: Border.all(color: Colors.grey, width: 1),
    borderRadius: BorderRadius.circular(8),
  ),
  child: ListTile(
    leading: Icon(Icons.payments_outlined),
    title: Text("Payment And Currencies"),
    subtitle: Text("View Balance and save payment methods"),
    trailing: Icon(Icons.arrow_forward_ios_rounded),
  ),
),
Container(
  margin: EdgeInsets.symmetric(horizontal: Get.width * 0.035),
  decoration: BoxDecoration(
    border: Border.all(color: Colors.grey, width: 1),
    borderRadius: BorderRadius.circular(8),
  ),
  child: ListTile(
    leading: Icon(Icons.feedback_outlined),
    title: Text("Feedback"),
    subtitle: Text("Give your valuable reviews"),
    trailing: Icon(Icons.arrow_forward_ios_rounded),
  ),
),
),
],
),
),
),
),
);
}
```



```

cartScreen.dart

import 'package:flutter/material.dart';
import 'package:get/get.dart';

class CartScreen extends StatefulWidget {
  const CartScreen({super.key});

  @override
  State<CartScreen> createState() => _CartScreenState();
}

class _CartScreenState extends State<CartScreen> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Container(
        width: Get.width * 1,
        // color: Colors.red,
        child: SingleChildScrollView(
          child: Column(
            mainAxisAlignment: MainAxisAlignment.spaceBetween,
            children: [
              Container(
                padding: EdgeInsets.symmetric(horizontal: Get.width * 0.045),
                child: Row(
                  mainAxisAlignment: MainAxisAlignment.spaceBetween,
                  children: [
                    Column(
                      crossAxisAlignment: CrossAxisAlignment.start,
                      children: [
                        Row(
                          children: [
                            Text(
                              "Deliver to:",
                              style: TextStyle(fontSize: 20),
                            ),
                            Text(
                              "Atharva Angre",
                              style: TextStyle(
                                fontWeight: FontWeight.w800,
                                fontSize: 20),
                            ),
                          ],
                        ),
                      ],
                    ),
                    Container(
                      width: Get.width * 0.75,
                      child: Text(
                        "309,B-3, Ekta S.R.A, Lohiya Nagar,St. Francis road, Vile
Parle(West), Mumbai - 400056 ",
                        maxLines: 1,
                        overflow: TextOverflow.ellipsis,
                      ),
                    ),
                  ],
                ),
                Text(
                  "Edit",

```



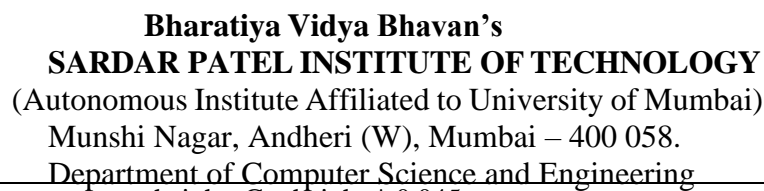
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```
style: TextStyle(
  fontWeight: FontWeight.w800, fontSize: 20),
),
),
),
Container(
  child: Column(
    spacing: Get.height * 0.015,
    children: [
      Container(
        padding: EdgeInsets.all(10),
        margin: EdgeInsets.all(10),
        width: Get.width * 1,
        // height: Get.height * 0.50,
        decoration: BoxDecoration(
          border: Border.all(color: Colors.black),
          borderRadius: BorderRadius.all(Radius.circular(10))),
        child: Row(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          spacing: Get.height * 0.005,
          children: [
            Column(
              children: [
                Container(
                  child: Image.asset(
                    "assets/images/shoe8.png",
                    height: Get.height * 0.15,
                  ),
                ),
              ],
            ),
            Column(
              crossAxisAlignment: CrossAxisAlignment.start,
              mainAxisAlignment: MainAxisAlignment.spaceEvenly,
              children: [
                Text("Nike Free RN NN",
                  style: TextStyle(
                    fontWeight: FontWeight.w900, fontSize: 20),
                  textAlign: TextAlign.center),
                Text("Men's Road Running Shoes",
                  style: TextStyle(
                    fontWeight: FontWeight.w500, fontSize: 20),
                  textAlign: TextAlign.center),
                Text("MRP : ₹ 8,257.00",
                  style: TextStyle(
                    fontStyle: FontStyle.italic,
                    fontWeight: FontWeight.w500,
                    fontSize: 15),
                  textAlign: TextAlign.center),
              ],
            ),
          ],
        ),
      ),
    ],
  ),
),
),
Container(
  padding: EdgeInsets.all(10),
  margin: EdgeInsets.all(10),
```



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```
width: Get.width * 1,
// height: Get.height * 0.50,
decoration: BoxDecoration(
  border: Border.all(color: Colors.black),
  borderRadius: BorderRadius.all(Radius.circular(10))),
child: Row(
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,
  spacing: Get.height * 0.005,
  children: [
    Column(
      children: [
        Container(
          child: Image.asset(
            "assets/images/shoe7.png",
            height: Get.height * 0.15,
          ),
        ),
      ],
    ),
    Column(
      crossAxisAlignment: CrossAxisAlignment.start,
      mainAxisAlignment: MainAxisAlignment.spaceEvenly,
      children: [
        Text("Nike Free RN NN",
          style: TextStyle(
            fontWeight: FontWeight.w900, fontSize: 20),
            textAlign: TextAlign.center),
        Text("Men's Road Running Shoes",
          style: TextStyle(
            fontWeight: FontWeight.w500, fontSize: 20),
            textAlign: TextAlign.center),
        Text("MRP : ₹ 8,257.00",
          style: TextStyle(
            fontStyle: FontStyle.italic,
            fontWeight: FontWeight.w500,
            fontSize: 15),
            textAlign: TextAlign.center),
      ],
    ),
  ],
),
),
],
)),
Column(
  crossAxisAlignment: CrossAxisAlignment.start,
  children: [
    Container(
      padding:
        EdgeInsets.symmetric(vertical: 10, horizontal: 15),
      child: Text(
        "Coupon",
        style: TextStyle(
          fontWeight: FontWeight.w500, fontSize: 20),
        ),
    ),
  ],
),
Container(
```



```
height: Get.height * 0.045,
margin: EdgeInsets.symmetric(horizontal: 15),
decoration: BoxDecoration(
  borderRadius: BorderRadius.circular(8),
  border: Border.all(color: Colors.black)),
child: Row(
  mainAxisAlignment: MainAxisAlignment.spaceBetween,
  children: [
    Container(
      padding: EdgeInsets.only(left: Get.width * 0.015),
      child: Row(
        // spacing: 20,
        children: [
          Container(
            padding: EdgeInsets.symmetric(
              horizontal: Get.width * 0.025),
            child: Image.asset(
              "assets/images/couponIcon.png",
              height: Get.height * 0.025,
            ),
            Text("Apply Coupon",
              style: TextStyle(fontSize: 15)),
          ],
        ),
      ),
      Icon(Icons.arrow_forward_ios_rounded)
    ],
  ),
),
],
),
],
),
),
Column(
  crossAxisAlignment: CrossAxisAlignment.start,
  children: [
    Container(
      padding:
        EdgeInsets.symmetric(vertical: 10, horizontal: 15),
      child: Text(
        "Price Details",
        style: TextStyle(
          fontWeight: FontWeight.w500, fontSize: 20),
      )),
    Container(
      // height: Get.height * 0.045,
      padding: EdgeInsets.symmetric(vertical: 15),
      margin: EdgeInsets.symmetric(horizontal: 15),
      decoration: BoxDecoration(
        borderRadius: BorderRadius.circular(8),
        border: Border.all(color: Colors.black)),
      child: Column(
        spacing: Get.height * 0.015,
        children: [
          Row(
            mainAxisAlignment: MainAxisAlignment.spaceBetween,
            children: [
              Container(
                padding: EdgeInsets.only(left: Get.width * 0.015),
                child: Row(
                  // spacing: 20,
```




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	<pre>children: [Container(padding: EdgeInsets.symmetric(horizontal: Get.width * 0.025), child: Text("Total MRP")),],),), Container(padding: EdgeInsets.only(right: 20), child: Text("₹ 12756"))],), Row(mainAxisAlignment: MainAxisAlignment.spaceBetween, children: [Container(padding: EdgeInsets.only(left: Get.width * 0.015), child: Row(// spacing: 20, children: [Container(padding: EdgeInsets.symmetric(horizontal: Get.width * 0.025), child: Text("Discounted MRP")),],),), Container(padding: EdgeInsets.only(right: 20), child: Text("- ₹ 2000"))],), Row(mainAxisAlignment: MainAxisAlignment.spaceBetween, children: [Container(padding: EdgeInsets.only(left: Get.width * 0.015), child: Row(// spacing: 20, children: [Container(padding: EdgeInsets.symmetric(horizontal: Get.width * 0.025), child: Text("Platform Fee")),],),), Container(padding: EdgeInsets.only(right: 20), child: Text("₹ 20"))],), Row(mainAxisAlignment: MainAxisAlignment.spaceBetween, children: [Container(padding: EdgeInsets.only(left: Get.width * 0.015), child: Row(</pre>
--	--



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```
// spacing: 20,
children: [
    Container(
        padding: EdgeInsets.symmetric(
            horizontal: Get.width * 0.025),
        child: Text("Shipping Fee")),
    ],
),
),
Container(
    padding: EdgeInsets.only(right: 20),
    child: Text("Free"))
],
),
Divider(
    height: 10,
    color: Colors.black,
    thickness: 1,
    indent : 10,
    endIndent : 10,
),
Row(
    mainAxisAlignment: MainAxisAlignment.spaceBetween,
    children: [
        Container(
            padding: EdgeInsets.only(left: Get.width * 0.015),
            child: Row(
                // spacing: 20,
                children: [
                    Container(
                        padding: EdgeInsets.symmetric(
                            horizontal: Get.width * 0.025),
                        child: Text("Total ")),
                    ],
                ),
            ),
        Container(
            padding: EdgeInsets.only(right: 20),
            child: Text("₹ 10776"))
    ],
),
],
),
),
],
),
Container(
    margin: EdgeInsets.all(10),
    width: Get.width * 0.92,
    height: Get.height * 0.04,
    alignment: Alignment.center,
    decoration: BoxDecoration(
        color: Colors.black,
        borderRadius: BorderRadius.circular(8)
    ),
    child: Text("Place Order",style: TextStyle(color: Colors.white)),
),
```



```
)  
],  
,  
,  
,  
,  
);  
}  
}
```

commonBottomBar.dart

```
import 'dart:io';  
import 'package:flutter/material.dart';  
import 'package:get/get.dart';  
  
import 'commonBottomBarController.dart';  
  
class CommonBottomNav extends GetView<BottomNavigationController> {  
  const CommonBottomNav({Key? key}) : super(key: key);  
  
  @override  
  Widget build(BuildContext context) {  
    final BottomNavigationController controller =  
      Get.put(BottomNavigationController());  
  
    return SizedBox(  
      height: Get.height * 0.09,  
      child: Obx(  
        () => BottomNavigationBar(  
          iconSize: 22.0,  
          items: [  
            BottomNavigationBarItem(  
              icon: Icon(  
                Icons.home_outlined,  
              ),  
              label: 'Home'.tr,  
              backgroundColor: Colors.grey[100],  
            ),  
            BottomNavigationBarItem(  
              icon: Image.asset("assets/images/products.png",height:25 ,width: 25,  
                color:Color(0xff757175),  
            ),  
              label: 'Products'.tr,  
              backgroundColor: Colors.grey[100],  
            ),  
            BottomNavigationBarItem(  
              icon: Icon(  
                Icons.person_outline,  
              ),  
              label: 'Profile'.tr,  
              backgroundColor: Colors.grey[100],  
            ),  
            BottomNavigationBarItem(  
              icon: Icon(  
                Icons.shopping_cart_outlined,  
              ),  
              label: 'Cart'.tr,
```



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```
        backgroundColor: Colors.grey[100],
      ),

      ],
      type: BottomNavigationBarType.fixed,
      currentIndex: controller.selectedIndex.value,
      onTap: controller.changeIndex,
      elevation: 5,
    ),
  ),
);
}
}

commonBottomBarController.dart

import 'package:get/get.dart';

class BottomNavigationController extends GetxController {

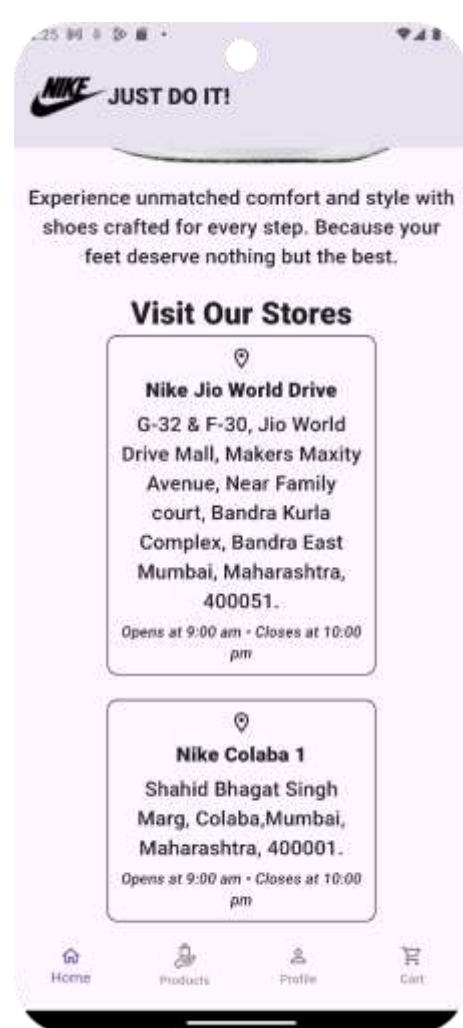
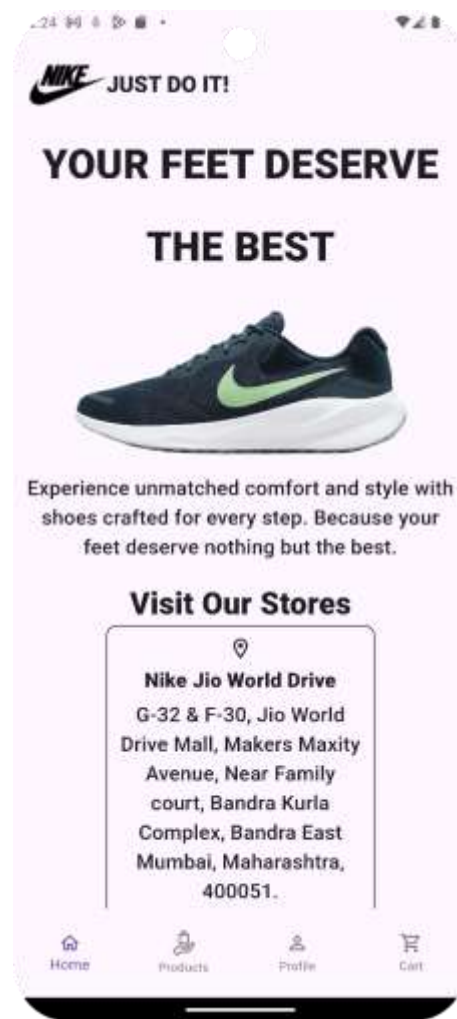
  var selectedIndex = 0.obs;

  void changeIndex(int index) {
    selectedIndex.value = index;
  }
}
```



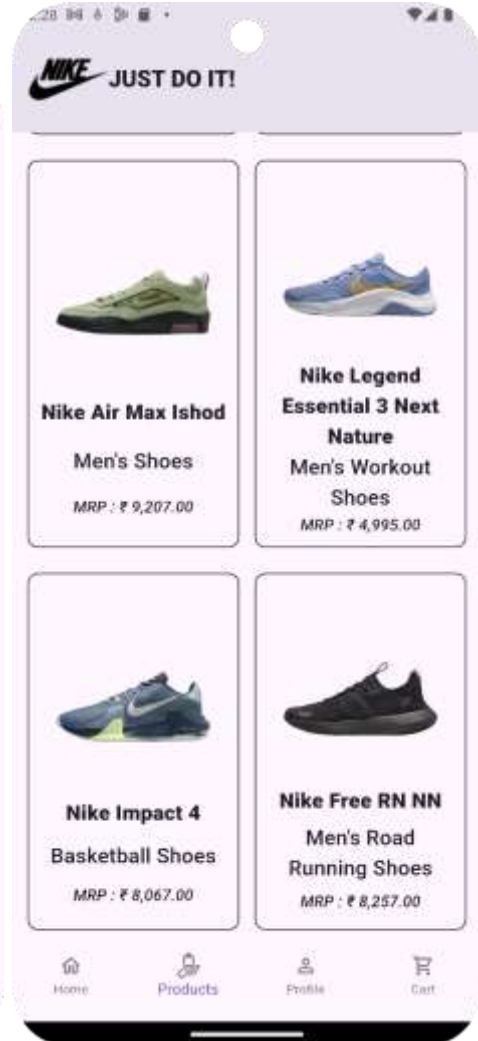
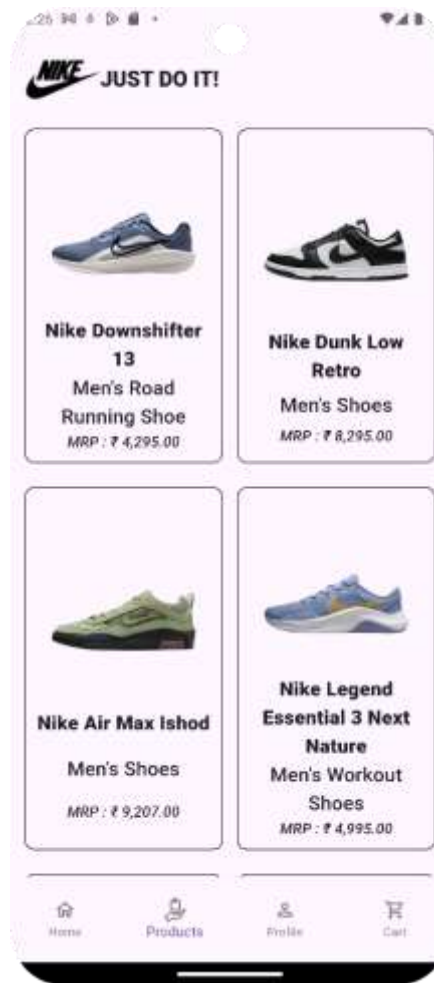
Screenshots

Home Page





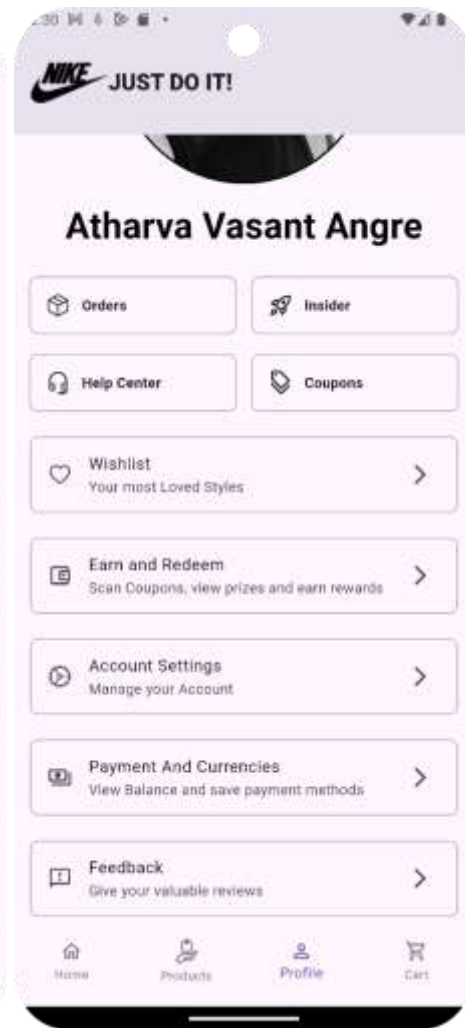
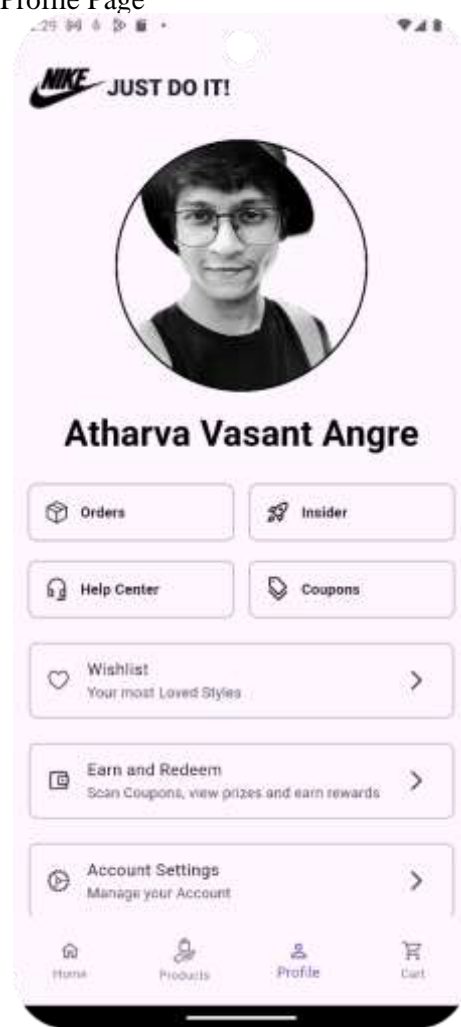
Products Page





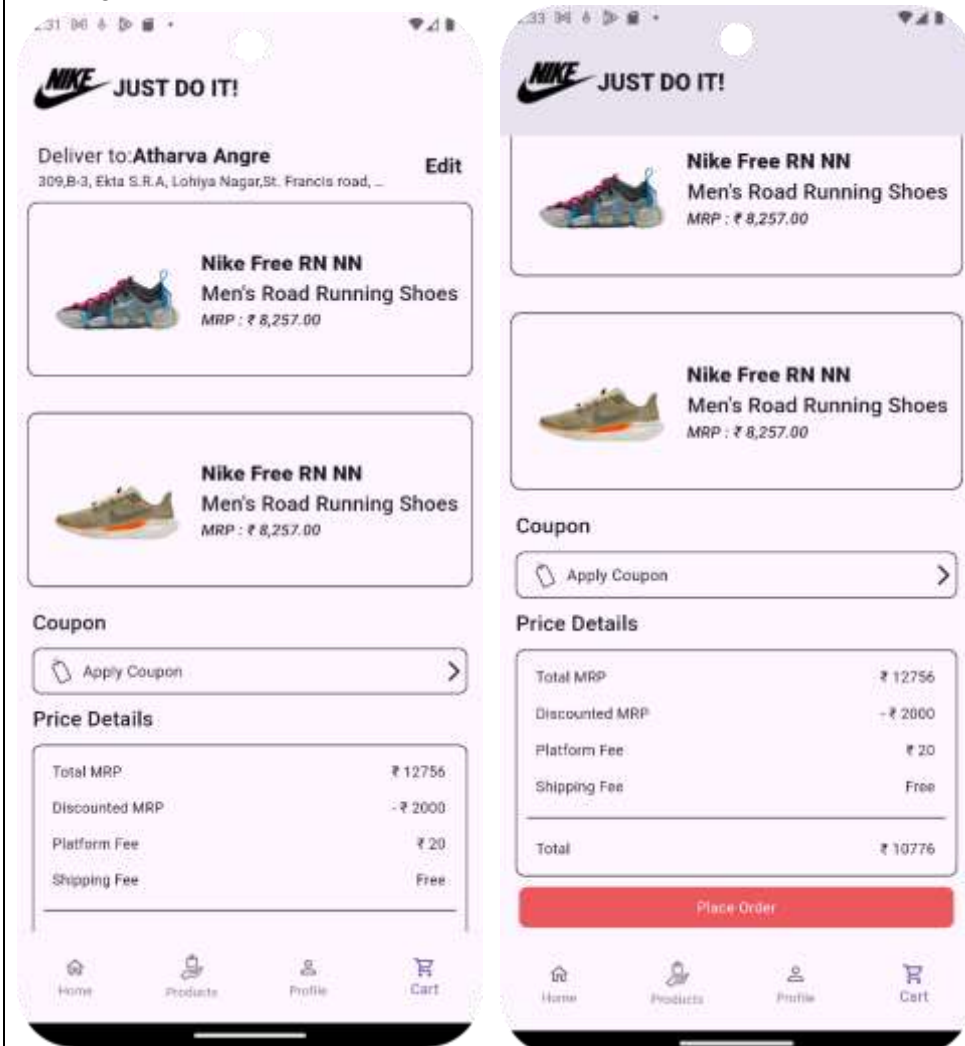
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Profile Page





Cart Page



Question and Answers

Answer the following Questions:

1. How to create Bottom Navigation?

The BottomNavigationBar widget is used inside the Scaffold to allow navigation between different sections of the app. A StatefulWidget maintains the selected index, and when a user taps on a tab, the index is updated to display the corresponding screen. Each tab consists of a BottomNavigationBarItem, which includes an icon and label for easy navigation.

2. How did you use 60-30-10 rule in your application?

The 60-30-10 rule was followed to ensure a visually appealing UI. The primary color (60%) is used for the background, making the interface clean and easy on the eyes. The secondary color (30%) is applied to text, and icons, ensuring clear readability and structure. The accent color (10%) highlights key elements like call-to-action buttons, improving user interaction.



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	<p>3. Which new elements did you use for creating UI components?</p> <p>In the profile section, ListTile was used to display options such as Settings, Orders, and Payment. This widget allows a structured and organized layout with an icon, title, and trailing arrow for navigation. Additionally, BottomNavigationBar was utilized for easy navigation between the Home, Products, Profile, and Cart sections, enhancing the user experience.</p>
Conclusion	<p>This practical helped me understand how to create a bottom navigation bar for seamless screen switching. I also learned how to apply the 60-30-10 rule to achieve a visually balanced UI. Overall, this experience improved my ability to design a structured and user-friendly e-commerce app.</p>