

MPL Experiment 2

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Roll no:28

Aim: To design Flutter UI by including common widgets.

Code:

```
//home_page.dart
import 'package:flutter/material.dart';
import 'package:firebase_auth/firebase_auth.dart';
import 'package:shared_preferences/shared_preferences.dart';
import 'package:dmart/screens/login/login_page.dart';
import 'package:carousel_slider/carousel_slider.dart';
import 'package:dmart/common_components/header.dart';

class HomePage extends StatelessWidget {
  const HomePage({super.key});

  Future<void> _logout(BuildContext context) async {
    await FirebaseAuth.instance.signOut();

    // Clear login state from shared preferences
    SharedPreferences prefs = await SharedPreferences.getInstance();
    await prefs.setBool('isLoggedIn', false);

    Navigator.pushReplacement(
      context,
      MaterialPageRoute(builder: (context) => const LoginPage()),
    );
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: const Header(),
      body: SingleChildScrollView(
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
```

```

// Parade of Deals Banner
Container(
  width: double.infinity,
  height: 150,
  padding: const EdgeInsets.all(16.0),
  alignment: Alignment.center,
  color: Colors.blueAccent,
  child: const Text(
    'Parade of Deals',
    style: TextStyle(fontSize: 24, fontWeight:
FontWeight.bold, color: Colors.white),
    textAlign: TextAlign.center,
  ),
),

// Dmart Exclusive
const Padding(
  padding: EdgeInsets.all(16.0),
  child: Text(
    'Dmart Exclusive',
    style: TextStyle(fontSize: 20, fontWeight:
FontWeight.bold),
  ),
),
CarouselSlider(
  options: CarouselOptions(enableInfiniteScroll: false),
  items: List.generate(5, (index) {
    return Card(
      margin: const EdgeInsets.symmetric(horizontal: 8),
      child: Container(
        height: 150,
        width: double.infinity,
        alignment: Alignment.center,
        child: Text('Exclusive Item ${index + 1}'),
      ),
    );
  }),
),

```

```

        // Best Offer
        const Padding(
          padding: EdgeInsets.all(16.0),
          child: Text(
            'Best Offer',
            style: TextStyle(fontSize: 20, fontWeight:
FontWeight.bold),
          ),
        ),
        CarouselSlider(
          options: CarouselOptions(enableInfiniteScroll: false),
          items: List.generate(5, (index) {
            return Card(
              margin: const EdgeInsets.symmetric(horizontal: 8),
              child: Container(
                height: 150,
                width: double.infinity,
                alignment: Alignment.center,
                child: Text('Best Offer Item ${index + 1}'),
              ),
            );
          })),
      ],
    ),
  ),
),
);
}
}

```

```

//account_page.dart
import 'package:flutter/material.dart';
import 'package:firebase_auth/firebase_auth.dart';
import 'package:shared_preferences/shared_preferences.dart';
import 'package:dmart/screens/login/login_page.dart';
import 'package:dmart/common_components/header.dart';

class MyAccountPage extends StatelessWidget {
  const MyAccountPage({super.key});

  Future<void> _logout(BuildContext context) async {
    await FirebaseAuth.instance.signOut();

    // Clear login state from shared preferences
    SharedPreferences prefs = await SharedPreferences.getInstance();
    await prefs.setBool('isLoggedIn', false);

    // Navigate back to login screen
    Navigator.pushAndRemoveUntil(
      context,
      MaterialPageRoute(builder: (context) => const LoginPage()),
      (Route<dynamic> route) => false, // Remove all previous
routes
    );
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: const Header(),
      body: Column(
        children: [
          Expanded(
            child: ListView(
              children: [
                _buildAccountOption(Icons.person, "My Profile"),
                _buildAccountOption(Icons.help, "Help @ DMart Ready"),

```

```

        _buildAccountOption(Icons.logout, "Sign Out",
isLogout: true, onTap: () => _logout(context)),
        const SizedBox(height: 10),
        _buildPromoBanner(),
      ],
    ),
  ),
],
),
);
}

```

```

Widget _buildAccountOption(IconData icon, String title, {bool
isLogout = false, VoidCallback? onTap}) {
  return ListTile(
    leading: Icon(icon, color: isLogout ? Colors.red :
Colors.black54),
    title: Text(title, style: TextStyle(fontSize: 16, fontWeight:
FontWeight.w500)),
    trailing: const Icon(Icons.arrow_forward_ios, size: 16, color:
Colors.black54),
    onTap: onTap ?? () {}, // Provide navigation or functionality
  );
}

```

```

Widget _buildPromoBanner() {
  return Padding(
    padding: const EdgeInsets.all(12.0),
    child: Container(
      decoration: BoxDecoration(
        color: Colors.green.shade100,
        borderRadius: BorderRadius.circular(8),
      ),
      padding: const EdgeInsets.all(12),
      child: Row(
        mainAxisAlignment: MainAxisAlignment.spaceBetween,
        children: [
          const Column(

```

```
        crossAxisAlignment: CrossAxisAlignment.start,
        children: [
          Text(
            "You're SAVING a LOT on every order",
            style: TextStyle(fontSize: 14, fontWeight:
FontWeight.bold),
          ),
          SizedBox(height: 5),
          Text(
            "Check My Savings",
            style: TextStyle(fontSize: 14, fontWeight:
FontWeight.bold, color: Colors.green),
          ),
        ],
      ),
    ],
  ),
);
}
```

```

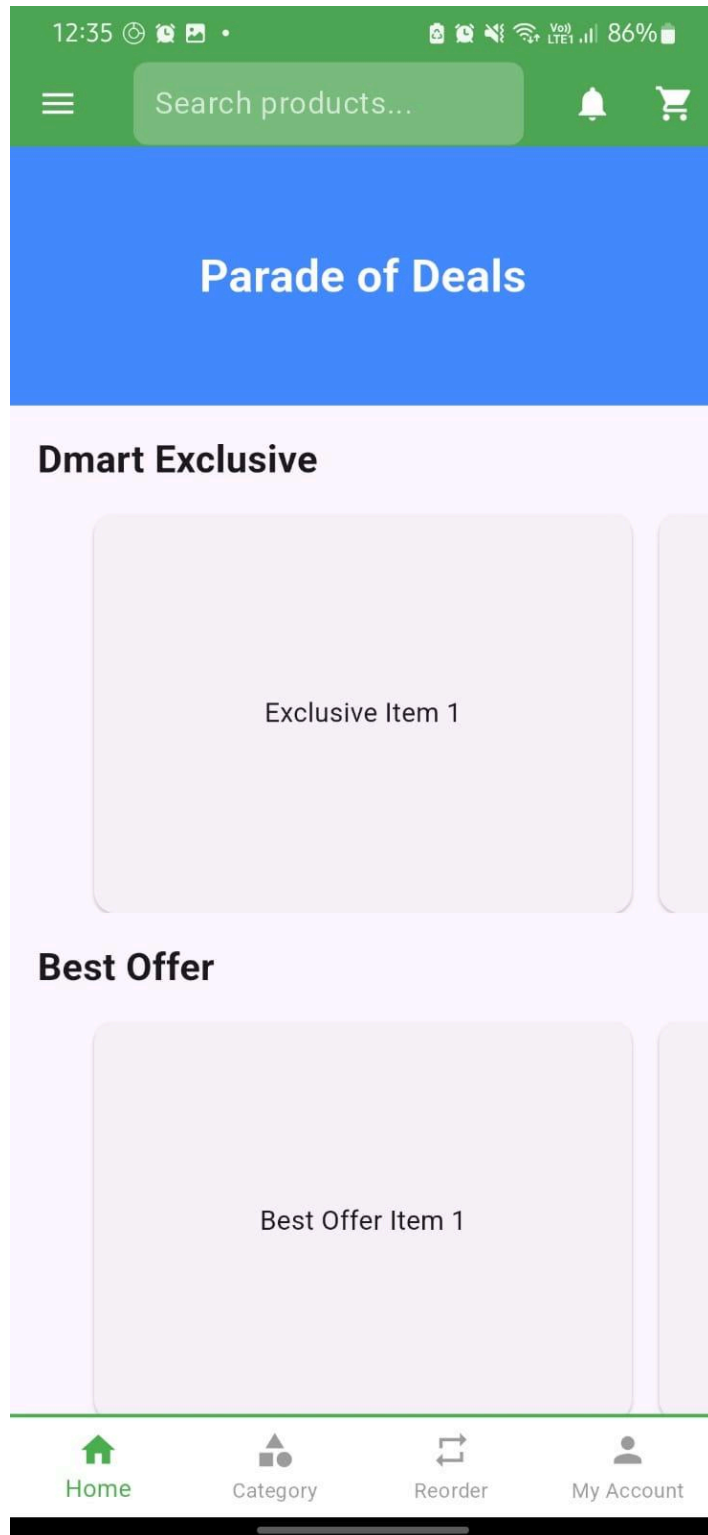
//sidebar.dart
import 'package:flutter/material.dart';

class Sidebar extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Drawer(
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.start,
        children: [
          UserAccountsDrawerHeader(
            decoration: BoxDecoration(color: Colors.green),
            accountName: Text(
              "Hi, Anuprita",
              style: TextStyle(fontSize: 18, fontWeight:
FontWeight.bold),
            ),
            accountEmail: Text("400615, Thane (West)"),
            currentAccountPicture: CircleAvatar(
              backgroundColor: Colors.white,
              child: Icon(Icons.person, size: 40, color:
Colors.green),
            ),
          ),
          _buildMenuItem(Icons.category, "Shop by Category", context),
          _buildMenuItem(Icons.help, "Help @ Dmart Ready", context),
          _buildMenuItem(Icons.policy, "Refund, Terms and Policies",
context),
          _buildMenuItem(Icons.question_answer, "Frequently Asked
Questions", context),
          _buildMenuItem(Icons.info, "About Us", context),
          Spacer(),
          Padding(
            padding: const EdgeInsets.all(16.0),
            child: Text("Version 5.1.9", style: TextStyle(color:
Colors.grey)),
          ),
        ],
      ),
    );
  }
}

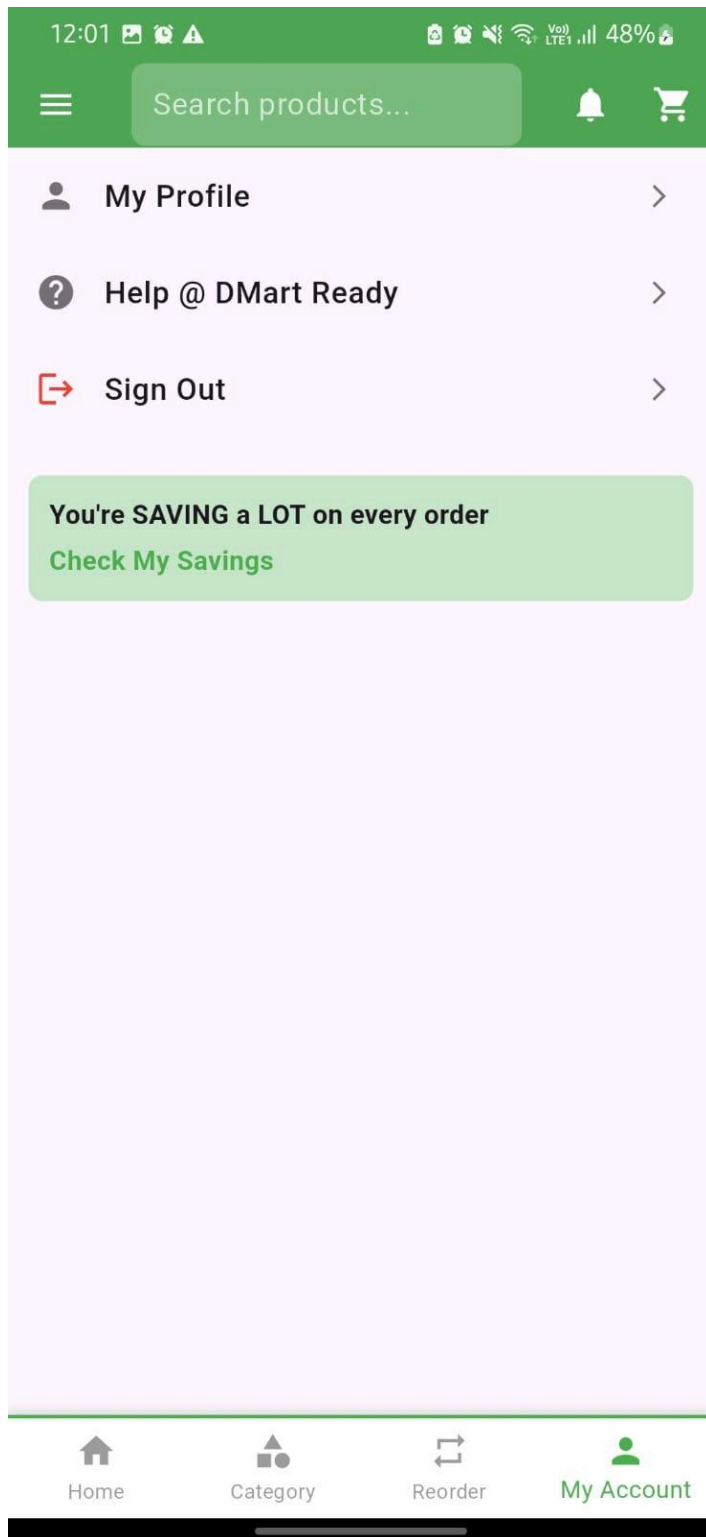
```

```
    ),  
  );  
}  
  
Widget _buildMenuItem(IconData icon, String title, BuildContext  
context) {  
  return ListTile(  
    leading: Icon(icon, color: Colors.green),  
    title: Text(title, style: TextStyle(fontSize: 16)),  
    onTap: () {  
      Navigator.pop(context); // Close drawer when an item is tapped  
    },  
  );  
}  
}
```


Output:
HomePage:



MyAccount:



Sidebar:

