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Roll: 22

Experiment 02 : To design Flutter UI by including common widgets.

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

```
void main() {  
  runApp(AccountApp());  
}
```

```
class AccountApp extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return MaterialApp(  
      theme: ThemeData(  
        primaryColor: Color(0xFF6200EE),  
        colorScheme: ColorScheme.fromSeed(seedColor: Color(0xFF6200EE)),  
        useMaterial3: true,  
      ),  
      home: Account(),  
    );  
  }  
}
```

```
class Account extends StatelessWidget {  
  const Account({Key? key}) : super(key: key);  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      backgroundColor: Theme.of(context).colorScheme.background,  
      appBar: AppBar(  
        centerTitle: true,  
        backgroundColor: Theme.of(context).colorScheme.primary,  
        leading: IconButton(  
          onPressed: () {  
            Navigator.pop(context);  
          },  
          icon: Icon(Icons.arrow_back, color: Colors.white),  
        ),  
        title: Text(  
          "Settings",  
          style: TextStyle(color: Colors.white, fontWeight: FontWeight.bold),  
        ),  
      ),  
      body: SafeArea(  
        child: ListView(  
          children: [
```

```

padding: EdgeInsets.all(16),
children: [
  _buildProfileCard(context),
  SizedBox(height: 16),
  _buildSectionCard(context, "Features", [
    _buildListTile(context, "Memories", Icons.calendar_today, () {
      print("You pressed Memories Button");
    }),
    _buildListTile(context, "Blocked Profile", Icons.block, () {
      print("You pressed Blocked Profile Button");
    }),
  ]),
  SizedBox(height: 16),
  _buildSectionCard(context, "Settings", [
    _buildListTile(context, "Notifications", Icons.notifications, () {
      print("You pressed Notifications Button");
    }),
    _buildListTile(context, "Time Zone", Icons.access_time, () {
      print("You pressed Time Zone Button");
    }),
    _buildListTile(context, "Others", Icons.settings_suggest, () {
      print("You pressed Others Button");
    }),
  ]),
  SizedBox(height: 16),
  _buildSectionCard(context, "About", [
    _buildListTile(context, "Share BeReal", Icons.share, () {
      print("You pressed Share BeReal Button");
    }),
    _buildListTile(context, "Rate", Icons.star_outline, () {
      print("You pressed Rate Button");
    }),
    _buildListTile(context, "Help", Icons.help_outline, () {
      print("You pressed Help Button");
    }),
    _buildListTile(context, "About", Icons.info, () {
      print("You pressed About Button");
    }),
  ]),
],
),
);
}

```

```

Widget _buildProfileCard(BuildContext context) {
  return Card(
    elevation: 4,

```

```

shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(12)),
child: Padding(
  padding: EdgeInsets.all(16),
  child: Column(
    children: [
      CircleAvatar(
        radius: 50,
        backgroundColor: Theme.of(context).colorScheme.secondary,
        child: Icon(Icons.person, size: 50, color: Colors.white),
      ),
      SizedBox(height: 16),
      Text(
        "VESIT",
        style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),
      ),
      SizedBox(height: 8),
      ElevatedButton(
        onPressed: () {
          print("You pressed Edit Profile Button");
        },
        child: Text("Edit Profile"),
        style: ElevatedButton.styleFrom(
          backgroundColor: Theme.of(context).colorScheme.primary,
          foregroundColor: Colors.white,
        ),
      ),
    ],
  ),
),
);
}

```

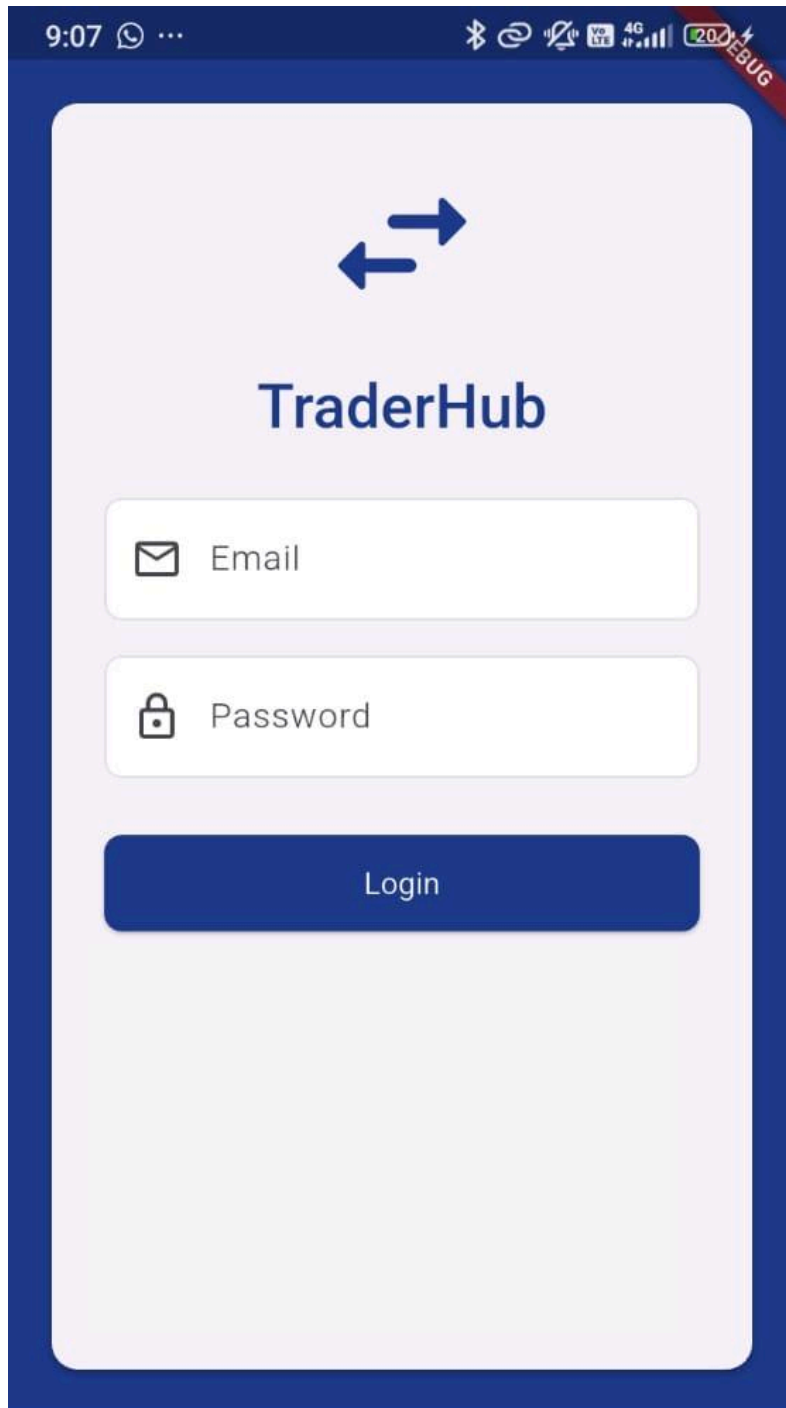
```

Widget _buildSectionCard(BuildContext context, String title, List<Widget> children) {
  return Card(
    elevation: 2,
    shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(12)),
    child: Column(
      crossAxisAlignment: CrossAxisAlignment.start,
      children: [
        Padding(
          padding: EdgeInsets.all(16),
          child: Text(
            title,
            style: TextStyle(fontSize: 20, fontWeight: FontWeight.bold),
          ),
        ),
        Divider(height: 1),
        ...children,
      ],
    ),
  );
}

```

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

```
Widget _buildListTile(BuildContext context, String title, IconData icon, VoidCallback onTap) {  
  return ListTile(  
    leading: Icon(icon, color: Theme.of(context).colorScheme.primary),  
    title: Text(title),  
    trailing: Icon(Icons.chevron_right),  
    onTap: onTap,  
  );  
}
```



```
A Dart VM Service on Chrome is available at: http://127.0.0.1:51393/9cYPtot4fBY=
The Flutter DevTools debugger and profiler on Chrome is available at: http://127.0.0.1:9101?uri=http://127.0.0.1:51393/9cYPtot4fBY=
You pressed Profile Button
You pressed Profile Button
You pressed Memories Button
You pressed Blocked Profile Button
You pressed Notifications Button
You pressed Time Zone Button
You pressed Others Button
You pressed Share BeReal Button
```

Usage of Widgets:

- Widgets like Row, Column, SizedBox, ElevatedButton, and Align are used to structure the UI.
- The SafeArea widget ensures that content is displayed within the safe area of the screen.

- The SingleChildScrollView widget allows scrolling when the content overflows the screen

List of Widgets

Flutter Scaffold
Flutter Container
Flutter Row & Column
Flutter Text
Flutter TextField
Flutter Buttons
Flutter Stack
Flutter Forms
Flutter
AlertDialog
Flutter Icons
Flutter Images
Flutter Card
Flutter Tabbar
Flutter Drawer
Flutter Lists
Flutter GridView
Flutter Toast
Flutter Checkbox
Flutter Radio Button
Flutter Progress
Bar Flutter
Snackbar Flutter
Tooltip Flutter Slider
Flutter Switch
Flutter Charts
Bottom Navigation Bar
Flutter Themes
Flutter Table
Flutter Calendar
Flutter Animation