

EXPERIMENT NO 2

NAME-SPANDAN DEB

CLASS-D15A

ROLL NO-13

AIM-To design Flutter UI by including common widgets

CODE

```
import 'package:flutter/material.dart';
import 'package:font_awesome_flutter/font_awesome_flutter.dart';
import 'package:my_app/pages/homepage.dart';
import 'package:my_app/pages/userprofile.dart'; // Import User Profile Page

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

  @override
  _TwitterHomePageState createState() => _TwitterHomePageState();
}

class _TwitterHomePageState extends State<TwitterHomePage> {
  final GlobalKey<ScaffoldState> _scaffoldKey = GlobalKey<ScaffoldState>(); // Global
  Key for Scaffold

  List<Map<String, dynamic>> tweets = [
    {
```

```

    "username": "John Doe",
    "userAvatar": "https://via.placeholder.com/150",
    "content": "This is a sample tweet from John!",
    "likes": 10,
  },
  {
    "username": "Jane Smith",
    "userAvatar": "https://via.placeholder.com/150",
    "content": "Hello world! First tweet 🚀 ",
    "likes": 25,
  },
];

```

```

@override
Widget build(BuildContext context) {
  return DefaultTabController(
    length: 2,
    child: Scaffold(
      key: _scaffoldKey, // Assign key to Scaffold
      appBar: AppBar(
        backgroundColor: Colors.white,
        elevation: 1,
        title: Falcon(FontAwesomeIcons.twitter, color: Colors.blue, size: 30),
        centerTitle: true,
        leading: IconButton(
          icon: const Icon(Icons.menu, color: Colors.black), // Menu button
          onPressed: () {
            _scaffoldKey.currentState?.openDrawer(); // Open drawer correctly
          },

```

```

),
bottom: const TabBar(
  labelColor: Colors.black,
  indicatorColor: Colors.blue,
  tabs: [
    Tab(text: "For You"),
    Tab(text: "Following"),
  ],
),
),
drawer: Drawer(
  child: ListView(
    padding: EdgeInsets.zero,
    children: [
      DrawerHeader(
        decoration: BoxDecoration(color: Colors.blue),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            GestureDetector(
              onTap: () {
                Navigator.push(
                  context,
                  MaterialPageRoute(builder: (context) => const UserProfilePage()),
                );
              },
            ),
            child: Row(
              children: [
                CircleAvatar(

```

```
radius: 30,

    backgroundImage:
NetworkImage("https://upload.wikimedia.org/wikipedia/commons/c/cb/Elon_Musk_Royal_Society_crop.jpg"),

),

SizedBox(width: 10),

Column(

  crossAxisAlignment: CrossAxisAlignment.start,

  children: [

    Text(

      "Elon Musk",

      style: TextStyle(color: Colors.white, fontSize: 18, fontWeight:
FontWeight.bold),

    ),

    Text(

      "@elonatmusk",

      style: TextStyle(color: Colors.white70, fontSize: 14),

    ),

  ],

),

],

),

],

),

),

],

),

),

ListTile(

  leading: Icon(Icons.star, color: Colors.black),

  title: Text("Premium"),

  onTap: () {},
```

```
),  
ListTile(  
  leading: Icon(Icons.bookmark, color: Colors.black),  
  title: Text("Bookmarks"),  
  onTap: () {},  
),  
ListTile(  
  leading: Icon(Icons.work, color: Colors.black),  
  title: Text("Jobs"),  
  onTap: () {},  
),  
ListTile(  
  leading: Icon(Icons.list, color: Colors.black),  
  title: Text("Lists"),  
  onTap: () {},  
),  
ListTile(  
  leading: Icon(Icons.group, color: Colors.black),  
  title: Text("Spaces"),  
  onTap: () {},  
),  
ListTile(  
  leading: Icon(Icons.monetization_on, color: Colors.black),  
  title: Text("Monetisation"),  
  onTap: () {},  
),  
Divider(),  
ListTile(  
  leading: Icon(Icons.logout, color: Colors.red),
```

```

        title: Text("Logout", style: TextStyle(color: Colors.red)),
        onTap: () {
          Navigator.pushReplacement(
            context,
            MaterialPageRoute(builder: (context) => const TwitterLoginPage())
          );
        },
      ),
    ],
  ),
),
body: TabBarView(
  children: [
    TweetList(tweets: tweets),
    TweetList(tweets: tweets),
  ],
),
bottomNavigationBar: BottomNavigationBar(
  selectedItemColor: Colors.blue,
  unselectedItemColor: Colors.grey,
  showUnselectedLabels: false,
  items: const [
    BottomNavigationBarItem(icon: Icon(Icons.home), label: "Home"),
    BottomNavigationBarItem(icon: Icon(Icons.search), label: "Search"),
    BottomNavigationBarItem(icon: Icon(Icons.notifications), label: "Notifications"),
    BottomNavigationBarItem(icon: Icon(Icons.mail), label: "Messages"),
  ],
),
),

```

```
);  
}  
}
```

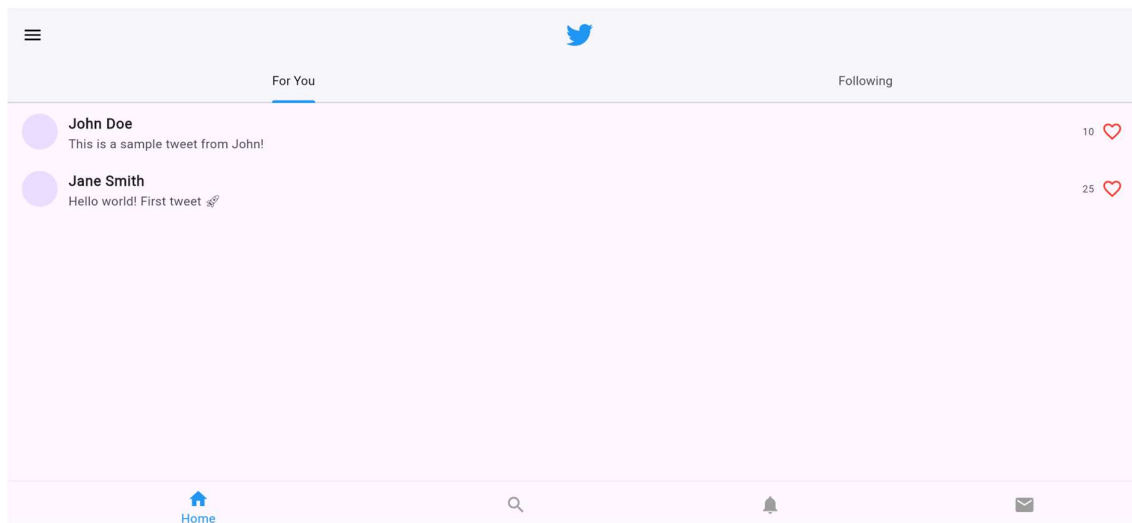
```
class TweetList extends StatefulWidget {  
  final List<Map<String, dynamic>> tweets;  
  const TweetList({super.key, required this.tweets});  
  
  @override  
  _TweetListState createState() => _TweetListState();  
}
```

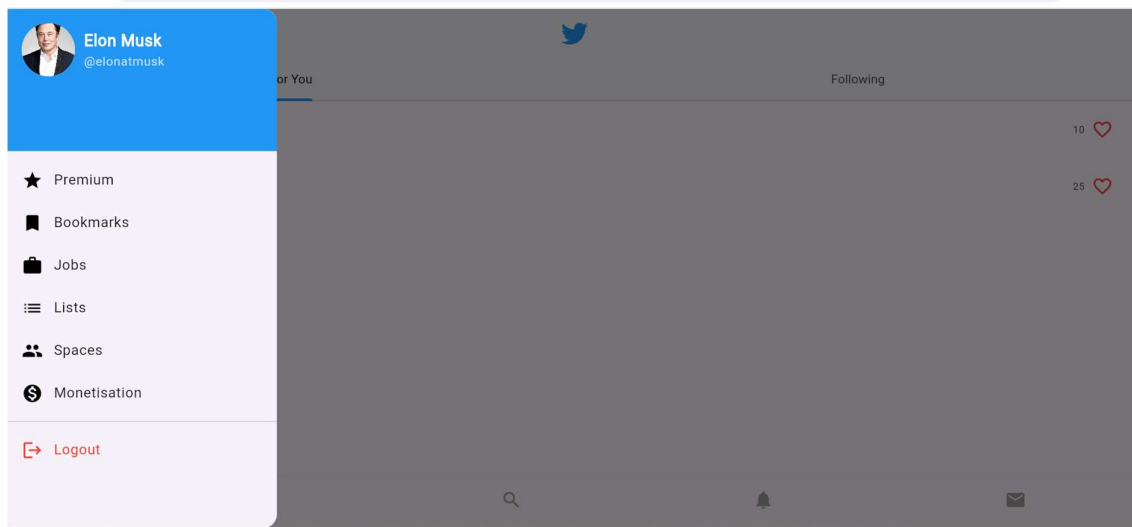
```
class _TweetListState extends State<TweetList> {  
  @override  
  Widget build(BuildContext context) {  
    return ListView.builder(  
      itemCount: widget.tweets.length,  
      itemBuilder: (context, index) {  
        var tweet = widget.tweets[index];  
        return ListTile(  
          leading: CircleAvatar(  
            backgroundImage: NetworkImage(tweet['userAvatar']),  
          ),  
          title: Text(tweet['username'], style: const TextStyle(fontWeight: FontWeight.bold)),  
          subtitle: Text(tweet['content']),  
          trailing: Row(  
            mainAxisAlignment: MainAxisAlignment.min,  
            children: [  
              Text("${tweet['likes']}"),  
            ],  
          ),  
        );  
      },  
    );  
  }  
}
```

```

IconButton(
  icon: const Icon(Icons.favorite_border, color: Colors.red),
  onPressed: () {
    setState(() {
      tweet['likes'] += 1;
    });
  },
),
],
),
);
},
);
}
}

```





User Profile page

when clicked on User Icon on top right corner

CODE

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

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

```
  @override
```

```
  Widget build(BuildContext context) {  
    return Scaffold(  

```

```

appBar: AppBar(
  title: const Text("User Profile"),
),
body: Padding(
  padding: const EdgeInsets.all(16.0),
  child: Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      // Profile Picture Section
      Center(
        child: CircleAvatar(
          radius: 60,
          backgroundImage:
NetworkImage('https://upload.wikimedia.org/wikipedia/commons/c/cb/Elon_Musk_Royal_Society_crop.jpg'), // Replace with actual image URL
        ),
      ),
      const SizedBox(height: 16),
      // Username Section
      Center(
        child: const Text(
          'Elon Musk',
          style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),
        ),
      ),
      const SizedBox(height: 8),
      // Bio Section
      Center(
        child: const Text(
          'This is my official Account',

```

```

        style: TextStyle(fontSize: 16, color: Colors.grey),
      ),
    ),
    const SizedBox(height: 16),
    // Followers and Following Section
    Row(
      mainAxisAlignment: MainAxisAlignment.spaceEvenly,
      children: const [
        Column(
          children: [
            Text(
              'Followers',
              style: TextStyle(fontSize: 18, color: Colors.grey),
            ),
            SizedBox(height: 4),
            Text(
              '200', // Random number for followers
              style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),
            ),
          ],
        ),
        Column(
          children: [
            Text(
              'Following',
              style: TextStyle(fontSize: 18, color: Colors.grey),
            ),
            SizedBox(height: 4),
            Text(

```

```
        '150', // Random number for following
        style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),
      ),
    ],
  ),
],
),
const SizedBox(height: 16),
// Bio and Other Info Section (if needed)
Padding(
  padding: const EdgeInsets.symmetric(vertical: 8.0),
  child: const Text(
    "",
    style: TextStyle(fontSize: 16, color: Colors.black),
  ),
),
],
),
),
);
}
```



Elon Musk

This is my official Account

Followers

200

Following

150