EXPERIMENT NO 2

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CLASS-D15A

ROLL NO-13

AIM-To design Flutter UI by including common widgets

CODE

The main page

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

import 'package:font_awesome_flutter/font_awesome_flutter.dart';

import 'package:myapp/pages/userprofile.dart'; // Import the user profile page

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

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

class _TwitterHomePageState extends State<TwitterHomePage> {
  List<Map<String, dynamic>> tweets = [
    {
      "username": "John Doe",
      "userAvatar": "https://via.placeholder.com/150",
```
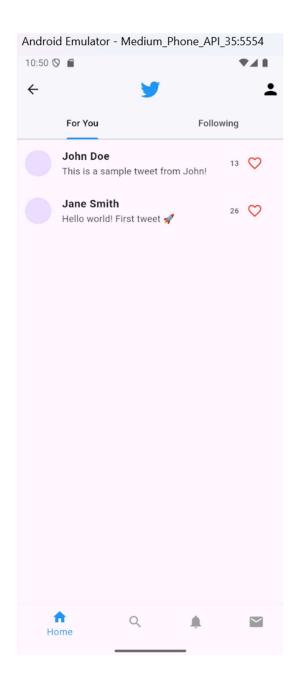
```dart
      "content": "This is a sample tweet from John!",

      "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(

        appBar: AppBar(

          backgroundColor: Colors.white,

          elevation: 1,

          title: FaIcon(FontAwesomeIcons.twitter, color: Colors.blue, size: 30),

          centerTitle: true,

          actions: [

            IconButton(

              icon: const Icon(Icons.person, color: Colors.black, size: 28), // User icon at top-right

              onPressed: () {

                Navigator.push(

                  context,

                  MaterialPageRoute(builder: (context) => const UserProfilePage()),

                );
```

```dart
          },
        ),
      ],
      bottom: const TabBar(
        labelColor: Colors.black,
        indicatorColor: Colors.blue,
        tabs: [
          Tab(text: "For You"),
          Tab(text: "Following"),
        ],
      ),
    ),
    body: TabBarView(
      children: [
        TweetList(tweets: tweets), // "For You"
        TweetList(tweets: tweets), // "Following"
      ],
    ),
    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"),
      ],
    ),
```

```dart
      ),
    );
  }
}

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(
            mainAxisSize: MainAxisSize.min,
            children: [
```

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

10:50

For You

Following

John Doe
This is a sample tweet from John!

13 ♡

Jane Smith
Hello world! First tweet 🚀

26 ♡

Home

User Profile page

when clicked on User Icon on top right corner

CODE

```dart
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),
```

```dart
// 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
```

```dart
            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),
    ),
  ),
],
```

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