

Experiment 03

Aim : To include icons, images, fonts in Flutter app

Theory :

In Flutter, icons, images, and fonts are essential elements for creating visually appealing and functional user interfaces. Here's a brief overview of each:

- Icons:

Icons are graphical symbols used to represent actions, features, or categories within an application.

Flutter provides a wide range of built-in icons through the Icons class, which includes commonly used icons like home, settings, search, etc.

Icons can be displayed using the Icon widget, where you specify the icon data (e.g., Icons.home) and customize its appearance with properties like color, size, and opacity.

Additionally, Flutter allows you to use custom icons by importing image files or vector graphics and converting them into Flutter-compatible assets.

- Images:

Images are visual content used to enhance the user interface or provide context within an application.

Flutter supports various image formats, including PNG, JPEG, GIF, and WebP.

Images can be displayed using the Image widget, which accepts different sources such as asset images, network images (from URLs), memory images, or file images.

To use images as assets in Flutter, you need to declare them in the pubspec.yaml file and specify their location within the project directory.

Flutter provides advanced features for working with images, such as caching, resizing, cropping, and applying filters, through libraries like cached_network_image and flutter_image_editor.

- Fonts:

Fonts are sets of typefaces or styles used to display text in various styles, weights, and sizes.

Flutter allows you to use custom fonts in your application by including font files (e.g., TTF or OTF files) and specifying them as assets in the pubspec.yaml file.

Custom fonts can be applied to text widgets using the TextStyle class, where you specify the font family, font weight, font style, and other properties.

Flutter also provides built-in support for Google Fonts, allowing you to use a wide

variety of open-source fonts hosted by Google without downloading or importing them manually.

Additionally, Flutter supports text localization and internationalization, enabling developers to adapt the font and text layout based on the user's language and locale preferences.

Code:

a) home_page.dart

```
import 'package:flutter/material.dart';
import 'package:font_awesome_flutter/font_awesome_flutter.dart';
import 'package:linkedin_mobile_ui/data/post_entity.dart';
import 'package:linkedin_mobile_ui/pages/main/home/widgets/single_post_card_widget.dart';
import 'package:linkedin_mobile_ui/theme/styles.dart';
```

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

  @override
  State<HomePage> createState() => _HomePageState();
}
```

```
class _HomePageState extends State<HomePage> {

  ScrollController _controller = ScrollController(); //scroll behaviour

  bool _isShow = true;

  List<PostEntity> postData = PostEntity.postListData;

  @override
  void initState() {
    _controller.addListener(() {
      if(_controller.position.pixels > 3) {
        setState(() {
          _isShow = false;
        });
      } else {
        setState(() {
          _isShow = true;
        });
      }
    });
  }
}
```

```

    }
  });
  super.initState();
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    body: Column(
      children: [
        const SizedBox(height: 5,),
        _isShow ?Container(
          width: double.infinity,
          height: 8,
          color: linkedInLightGreyCACCCCE,
        ) : Container(),

        Expanded(
          child: ListView.builder(
            controller: _controller,
            itemCount: postData.length,
            itemBuilder: (context, index) {
              final post = postData[index];
              return SinglePostCardWidget(post: post);
            },
          ),
        ),
      ],
    ),
  );
}
}

```

b) main_page.dart

```

import 'package:flutter/cupertino.dart';
import 'package:flutter/material.dart';
import 'package:font_awesome_flutter/font_awesome_flutter.dart';
import 'package:linkedin_mobile_ui/pages/main/create/create_page.dart';
import 'package:linkedin_mobile_ui/pages/main/home/home_page.dart';
import 'package:linkedin_mobile_ui/pages/main/jobs/jobs_page.dart';
import 'package:linkedin_mobile_ui/pages/main/main_page/widgets/drawer_widget.dart';
import 'package:linkedin_mobile_ui/pages/main/network/network_page.dart';
import 'package:linkedin_mobile_ui/pages/main/notifications/notifications_page.dart';

```

```

import 'package:linkedin_mobile_ui/theme/styles.dart';
import 'widgets/app_bar_widget.dart';

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

  @override
  State<MainPage> createState() => _MainPageState();
}

class _MainPageState extends State<MainPage> {

  final GlobalKey<ScaffoldState> _scaffoldState = GlobalKey<ScaffoldState>();

  int _currentPageIndex = 0;
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      drawer: const DrawerWidget(),
      key: _scaffoldState,
      appBar: _currentPageIndex == 4? appBarWidget(
        context,
        title: "Search Jobs",
        isJobsTab: true,
        onLeadingTapClickListener: () {
          setState(() {
            _scaffoldState.currentState!.openDrawer();
          });
        }
      ) :appBarWidget(
        context,
        title: "Search",
        isJobsTab: false,
        onLeadingTapClickListener: () {
          setState(() {
            _scaffoldState.currentState!.openDrawer();
          });
        }
      ),
      bottomNavigationBar: BottomNavigationBar(
        currentIndex: _currentPageIndex,
        onTap: (index) {
          setState(() {
            _currentPageIndex = index;

```

```

    });
  },
  selectedItemColor: linkedInBlack000000,
  selectedLabelStyle: const TextStyle(color: linkedInBlack000000),
  unselectedItemColor: linkedInMediumGrey86888A,
  unselectedLabelStyle: const TextStyle(color: linkedInMediumGrey86888A),
  showUnselectedLabels: true,
  items: const [
    BottomNavigationBarItem(
      icon: Icon(CupertinoIcons.house_fill),
      label: "Home",
    ),
    BottomNavigationBarItem(
      icon: Icon(FontAwesomeIcons.userGroup),
      label: "Network",
    ),
    BottomNavigationBarItem(
      icon: Icon(
        Icons.add_box,
        size: 30,
      ),
      label: "Post",
    ),
    BottomNavigationBarItem(
      icon: Icon(
        Icons.notifications,
        size: 30,
      ),
      label: "Notifications",
    ),
    BottomNavigationBarItem(
      icon: Icon(FontAwesomeIcons.briefcase),
      label: "Jobs",
    ),
  ],
),
body: _switchPages(_currentPageIndex)
);
}

```

```

_switchPages(int index) {
  switch (index) {
    case 0:
    {

```

```
    return const HomePage();
  }
case 1:
  {
    return const NetworkPage();
  }
case 2:
  {
    return CreatePage(onCloneClickListener: () {
      Navigator.pop(context);
      setState(() {
        _currentPageIndex = 0;
      });
    },);
  }
case 3:
  {
    return const NotificationsPage();
  }
case 4:
  {
    return const JobsPage();
  }
}
}
}
```

9:19 AM

4G+ 66%



Search



Nidhi Gawde

Full-Stack Flutter Developer, Firebase Expert | Yout...

1w -



Some common mistakes that flutter developer make while learning flutter.

#code #flutterdevelopment #flutterui #fluttermafia
#fullstackdeveloper #fluttercode #iosdeveloper



5

10 comments - 4 reposts



Home



Network



Post



Notificati...



Jobs