

Experiment 3: To include icons, images, [fonts](#) in Flutter app

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

We can split the Flutter widget into two categories:

Visible (Output and Input)

Invisible (Layout and Control)

Visible widget

The visible widgets are related to the user input and output data. Some of the important types of this widget are:

1. Text

A Text widget holds some text to display on the screen. We can align the text widget by using `textAlign` property, and style property allow the customization of Text that includes font, font weight, font style, letter spacing, color, and many more. We can use it as like below code snippets.

```
new Text( 'Hello, ALL!',   textAlign: TextAlign.center,   style: new TextStyle(fontWeight: FontWeight.bold),
```

2. Button

This widget allows you to perform some action on click. Flutter does not allow you to use the Button widget directly; instead, it uses a type of buttons like a `FlatButton` and a `RaisedButton`. We can use it as like below code snippets

3. Image

This widget holds the image which can fetch it from multiple sources like from the asset folder or directly from the URL. It provides many constructors for loading image, which are given below:

- **Image:** It is a generic image loader, which is used by **ImageProvider**.
- **asset:** It load image from your project asset folder.
- **file:** It loads images from the system folder.
- **memory:** It load image from memory.
- **network:** It loads images from the network.

To add an image in the project, you need first to create an assets folder where you keep your images and then add the below line in **pubspec.yaml** file.

Code:

```
import 'package:flutter/material.dart';
import 'package:whatsapp/common/utils/colours.dart';
//import 'package:whatsapp/common/extension/custom_theme_extension.dart'; //
Correct import
import 'package:whatsapp/common/widgets/custom_elevated_button.dart';
import 'package:whatsapp/common/route/routes.dart'; // Correct import
import 'package:whatsapp/feature/auth/login_page.dart';
import 'package:whatsapp/feature/welcome/widgets/PrivacyAndTerms.dart'; //
Correct import
//import 'dart:js';

import 'package:whatsapp/common/utils/colours.dart';
import '../common/extension/custon_theme_extension.dart';
import 'package:whatsapp/common/widgets/custom_elevated_button.dart';
//import 'lib/common/route/routes.dart';
import 'package:whatsapp/feature/welcome/widgets/PrivacyAndTerms.dart'; //
Correct import

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

  navigateToLoginPage(context) {
    Navigator.of(context)
      .pushNamedAndRemoveUntil(Routes.login, (route) => false);
  }

  void showBottomSheet(BuildContext context) {
    showModalBottomSheet(
      context: context,
      builder: (context) {
        return Padding(
          padding: const EdgeInsets.symmetric(vertical: 10),
          child: Column(
            mainAxisAlignment: MainAxisAlignment.min,
            children: [
```

```

Container(
  height: 4,
  width: 35,
  decoration: BoxDecoration(
    color: context.theme.greyColor!.withOpacity(0.5),
    borderRadius: BorderRadius.circular(10),
  ),
),
const SizedBox(
  height: 25,
),
Row(
  children: [
    IconButton(
      onPressed: () => Navigator.of(context).pop(),
      splashColor: Colors.transparent,
      splashRadius: 22,
      iconSize: 22,
      padding: EdgeInsets.zero,
      constraints: const BoxConstraints(minWidth: 40),
      icon: const Icon(
        Icons.close_outlined,
        color: Color.fromARGB(255, 255, 0, 0),
      ),
    ),
    const SizedBox(
      width: 15,
    ),
    const Text(
      " App Language ",
      style: TextStyle(
        fontWeight: FontWeight.w600,
      ),
    ),
  ],
),
const SizedBox(
  height: 15,
),
Divider(
  color: context.theme.greyColor!.withOpacity(0.2),
  thickness: 3,
),
RadioListTile(
  value: true,
  groupValue: true,
  onChanged: (value) {},
  activeColor: Colours.greeDark,
  subtitle: Text(
    "(Phone's Language)",
    style: TextStyle(color: context.theme.greyColor),
  ),
),
RadioListTile(
  value: false,
  groupValue: true,

```

```

        onChanged: (value) {},
        activeColor: Colours.greeDark,
        title: const Text(" मराठी "),
        subtitle: Text(
          " India ",
          style: TextStyle(color: context.theme.greyColor),
        ),
      ),
      RadioListTile(
        value: false,
        groupValue: true,
        onChanged: (value) {},
        activeColor: Colours.greeDark,
        title: const Text(" ગુજરાતી "),
        subtitle: Text(
          " India ",
          style: TextStyle(color: context.theme.greyColor),
        ),
      ),
    ],
  ),
);
/*
Container(
  height: 300,
  child: Column(
    children: [
      Text('Bottom Sheet Content'),
      // You can add more widgets as needed
    ],
  ),
);
*/
}, // <-- Add a comma here
); // <-- Add a semicolon here
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    body: Column(
      children: [
        Expanded(
          child: Align(
            alignment: Alignment.bottomCenter,
            child: Padding(
              padding:
                const EdgeInsets.symmetric(horizontal: 50, vertical: 10),
              child: Image.asset(
                "assets/images/circle.png",
                color: Colors.green,
                //color: context.theme.circleImageColor,
              ),
            ),
          //color: Colors.green,

```

```

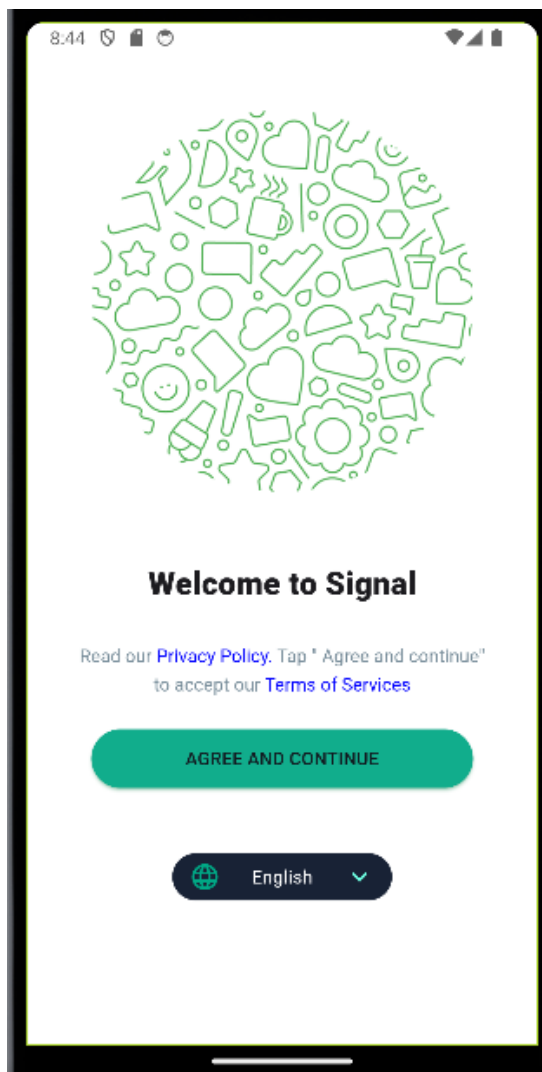
        //color: Theme.of(context).circleImageColors ?? Colors.green,
        // ),
    ),
),
),
const SizedBox(
    height: 43,
),
Expanded(
    child: Column(
        children: [
            Center(
                child: Center(
                    child: Text(
                        'Welcome to Signal',
                        style: TextStyle(
                            fontSize: 24,
                            fontWeight: FontWeight.w900,

                            //background theme ke hisaabse text color change
                            color: Theme.of(context).brightness == Brightness.dark
                                ? ThemeData.dark().textTheme.headlineLarge!.color
                                :
                                ThemeData.light().textTheme.headlineLarge!.color,
                        ),
                    ),
                ),
            ),
        ],
    ),
    const PrivacyAndTerms(),
    CustomElevatedButton(
        onPressed: () {
            Navigator.push(
                context,
                MaterialPageRoute(
                    builder: (context) => const LoginPage(),
                ),
            );
        },
        text: 'AGREE AND CONTINUE',
        textStyle: TextStyle(),
    ),
    const SizedBox(
        height: 50,
    ),
    Material(
        color: Color(0xFF182235),
        borderRadius: BorderRadius.circular(22),
        child: InkWell(
            onTap: () {
                showBottomSheet(context);
            },
            borderRadius: BorderRadius.circular(22),
            splashFactory: InkSplash.splashFactory,
            highlightColor: Color.fromARGB(255, 9, 20, 27),
            child: Padding(

```

```
padding: const EdgeInsets.symmetric(
    horizontal: 13, vertical: 6),
child: Row(
    mainAxisAlignment: MainAxisAlignment.min,
    children: const [
        Icon(
            Icons.language,
            color: Color(0xFF00A885),
        ),
        SizedBox(
            width: 20,
        ),
        Text(
            ' English ',
            style: TextStyle(color: Colors.white),
        ),
        SizedBox(
            width: 20,
        ),
        Icon(
            Icons.keyboard_arrow_down,
            color: Color.fromARGB(255, 110, 255, 226),
        )
    ],
),
),
),
),
),
],
),
);
}
```

Output:



Conclusion:

In this experiment, we have successfully imported and inserted image in the flutter and used font style to enter text and successfully created button for it. All concept of image, font are implemented successfully.