

Experiment 03

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

Theory:Including icons, images, and custom fonts in a Flutter app allows developers to enhance the visual appeal and functionality of their applications. Here's a brief overview of how to include these assets:

1. Icons:

- a. Flutter provides built-in support for icons through the Icons class, which includes a wide range of Material Design icons.
- b. You can use the Icon widget to display icons in your app. Simply specify the desired icon using the Icons class, along with properties like size and color.

2. Images:

- a. To include images in a Flutter app, you can add image files to the assets directory within your project.
- b. Use the Image widget to display images. Specify the image asset path using the Image.asset() constructor.

3. Fonts:

- a. Custom fonts can be added to a Flutter app by including font files (e.g., .ttf or .otf) in the project's fonts directory.
- b. Declare the custom fonts in the pubspec.yaml file under the flutter section using the fonts property.
- c. Once declared, you can apply the custom font to text in your app using fontFamily property in the TextStyle widget.

Here's a summarized step-by-step guide:

1. Add Icons:

- a. Use the Icon widget with the desired icon from the Icons class.
- b. Customize the icon size and color as needed.

2. Add Images:

- a. Place image files in the assets directory of your Flutter project.
- b. Use the Image.asset() widget to load images from the asset bundle.
- c. Specify the image asset path as a parameter to the Image.asset() constructor.

3. Add Fonts:

- a. Place custom font files in the fonts directory of your Flutter project.
- b. Declare the custom fonts in the pubspec.yaml file under the flutter section using the fonts property.
- c. Apply the custom font to text using the fontFamily property in the TextStyle Widget.

```
@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text("Hello sir!!!"),
      centerTitle: true,
      backgroundColor: Color.fromARGB(255, 128, 232, 216),
      leading: const Padding(
        padding: EdgeInsets.all(8.0),
        child: CircleAvatar(
          backgroundImage:
AssetImage('lib\images\homepageimg1.png'),
        ),
      ),
      actions: [
        IconButton(
          onPressed: () => logout(context), // Call logout
function
          icon: Icon(Icons.logout),
        ),
      ],
    ),
    body: Center(
      child: Text(
        'Welcome to the Homepage!',
        style: TextStyle(fontSize: 24.0),
      ),
    ),
    bottomNavigationBar: BottomAppBar(
      child: Row(
        mainAxisAlignment: MainAxisAlignment.spaceAround,
        children: [
          IconButton(
            onPressed: () {
              // Add functionality for the 'Home' button
            },
            icon: Icon(Icons.home),
          ),
          IconButton(
```

```
        onPressed: () {  
            // Add functionality for the 'New Programs' button  
        },  
        icon: Icon(Icons.add),  
    ),  
    IconButton(  
        onPressed: () {  
            // Add functionality for the 'Your Clubs' button  
        },  
        icon: Icon(Icons.group),  
    ),  
    IconButton(  
        onPressed: () {  
            // Add functionality for the 'Profile' button  
        },  
        icon: Icon(Icons.person),  
    ),  
  ],  
),  
),  
);  
}
```

