Exp-3

NAME: Mohit Tarachandani

Batch : C

Class : D15A

Roll No. : 62

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

Theory:

Icons: Flutter provides built-in support for incorporating icons into your app's UI. The Icons class offers a wide range of material design icons that can be used out of the box. Icons can be added to your app using widgets like Icon or IconButton. Additionally, Flutter allows you to use custom icons by importing them as assets and referencing them using the Image.asset widget.

Images: Flutter supports various image formats such as JPEG, PNG, GIF, WebP, and SVG (using the flutter_svg package). You can include images in your app from different sources like local assets, network URLs, memory, or file paths. To use images from local assets, add them to your project's pubspec.yaml file under the assets section and reference them using the Image.asset widget. Network images can be loaded using the Image.network widget by providing the URL of the image. Memory images can be displayed using the Image.memory widget, where you pass the image data as a byte array.

Custom Fonts: Flutter allows you to use custom fonts to enhance the typography of your app. To include custom fonts, add the font files (typically .ttf or .otf files) to your project's pubspec.yaml file under the fonts section. After adding the font files, run flutter pub get to fetch the fonts. You can then specify the custom font in the TextStyle of a Text widget by referring to the font family defined in the pubspec.yaml file.

Code:

```
import 'package:flight_app_ui/screens/detail_screen.dart';
import 'package:flight_app_ui/widgets/animated_route.dart';
import
'package:flight_app_ui/widgets/show_up_animation.dart';
import 'package:flight_app_ui/widgets/text.dart';
import 'package:flutter/material.dart';
import '../data/flight_data.dart';
import '../widgets/flight_card.dart';
import 'flightBooking/add_flight.dart';
import 'package:firebase_auth/firebase_auth.dart';

class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key});

  @override
  Widget build(BuildContext context) {
```

```dart
    // Fetch current user
    User? user = FirebaseAuth.instance.currentUser;

    // Print user's information for debugging
    if (user != null) {
      print('User Email: ${user.email}');
      print('User Display Name: ${user.displayName}');
    } else {
      print('User is not signed in');
    }

    // Get user's display name
    String? displayName = user?.displayName;

    // Print user's display name
    print('Final Display Name: $displayName');

    return Scaffold(
      backgroundColor: Colors.white,
      appBar: AppBar(
        title: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            TextUtil(
              text: "Welcome Back!",
              color: Theme.of(context).primaryColor,
              size: 12,
              weight: true,
            ),
            TextUtil(
              text: displayName ?? "Guest", // Display
user's display name or "Guest" if not available
              color: Theme.of(context).primaryColor,
            ),
          ],
        ),
        elevation: 0,
        leading: Icon(Icons.account_tree, color:
Theme.of(context).primaryColor,),
        actions: [
          Container(
            height: 50,
            width: 50,
            decoration: BoxDecoration(
              borderRadius: BorderRadius.circular(10),
              image: const DecorationImage(
                image: AssetImage("assets/profile.png"),
              ),
            ),
          ),
          const SizedBox(width: 20,),
        ],
        backgroundColor: Colors.white,
      ),
      body: Column(
        children: [
          Container(
            padding: const EdgeInsets.symmetric(horizontal:
30, vertical: 10),
```

```dart
              height: 60,
              alignment: Alignment.centerLeft,
              child: TextUtil(text: "My flights", color:
Theme.of(context).primaryColor, weight: true, size: 28,),
          ),
          Expanded(
            child: Container(
              padding: const
EdgeInsets.symmetric(horizontal: 20),
              decoration: BoxDecoration(
                color: Theme.of(context).primaryColor,
                borderRadius: const
BorderRadius.vertical(top: Radius.circular(30)),
              ),
              alignment: Alignment.topCenter,
              child: Padding(
                padding: const EdgeInsets.only(top: 30),
                child: ListView.builder(
                  itemCount: flightList.length,
                  shrinkWrap: true,
                  itemBuilder: (context, index) {
                    return ShowUpAnimation(
                      delay: 150 * index,
                      child: GestureDetector(
                        onTap: () {

Navigator.of(context).push(MaterialPageRoute(builder:
(context) => DetailScreen(data: flightList[index], index:
index,)));
                        },
                        child: FlightCard(data:
flightList[index], index: index,),
                      ),
                    );
                  },
                ),
              ),
            ),
          ),
        ],
      ),
      floatingActionButton: FloatingActionButton(
        backgroundColor: Theme.of(context).indicatorColor,
        onPressed: () {

Navigator.of(context).push(MyCustomAnimatedRoute(enterWidget
: AddFlightScreen(),));
          //
Navigator.of(context).push(MaterialPageRoute(builder:
(context)=>AddFlightScreen()));
        },
        child: Icon(Icons.add, size: 28, color:
Theme.of(context).primaryColor,),
      ),
    );
  }
}
import 'package:flutter/material.dart';
```

```dart
import '../../widgets/text.dart';
import 'add_flight_tab.dart';
class AddFlightScreen extends StatelessWidget {
  const AddFlightScreen({super.key});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.white,
      appBar: AppBar(

        elevation: 0,
        leading: GestureDetector(
            onTap: ()=>Navigator.pop(context),
            child: Icon(Icons.arrow_back_outlined,color:
Theme.of(context).canvasColor,)),
        actions: [
          Container(
            height: 50,
            width: 50,
            decoration: BoxDecoration(

                borderRadius: BorderRadius.circular(10),
                image: const DecorationImage(
                  image: AssetImage("assets/profile.png"),
                )
            ),

          ),
          const SizedBox(width: 20,),
        ],
        backgroundColor: Colors.white,
      ),
      body: Column(
        children: [
          Container(
            padding:const  EdgeInsets.symmetric(horizontal:
30,vertical: 10),
            height: 60,
            alignment: Alignment.centerLeft,
            child: TextUtil(text: "Add Flight",color:
Theme.of(context).primaryColor,weight: true,size: 28,),
          ),
          Expanded(child: Container(
          //  padding:const
EdgeInsets.symmetric(horizontal: 20),
            decoration: BoxDecoration(
                color: Theme.of(context).primaryColor,
                borderRadius:const
BorderRadius.vertical(top: Radius.circular(30))
            ),
            alignment: Alignment.topCenter,
            child:const Padding(
              padding:  EdgeInsets.only(top: 10),
              child: BookingTabBar(),



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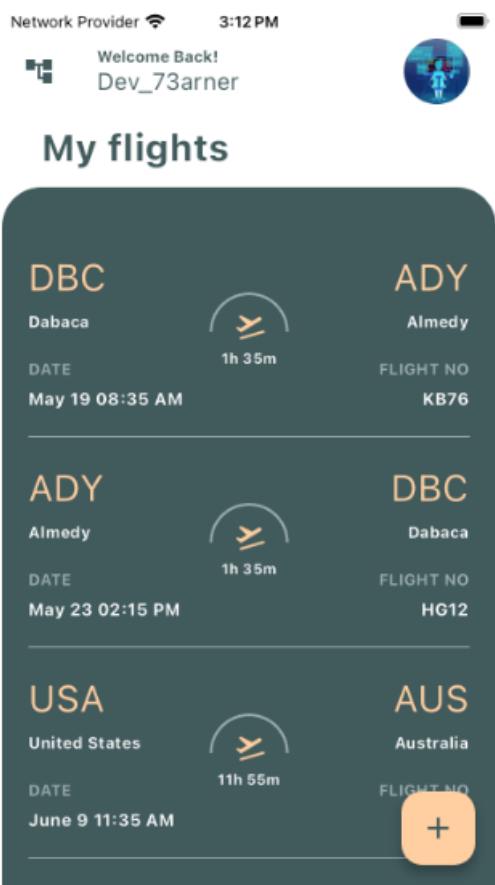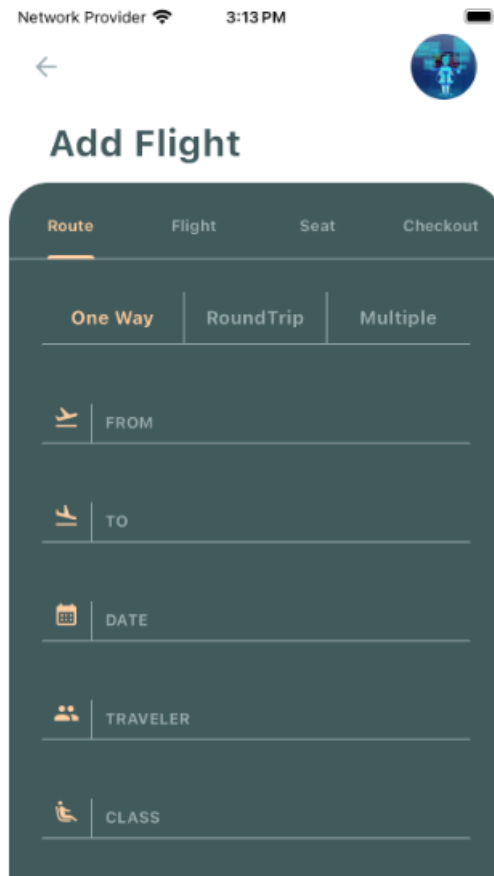
```
              ))
          ],
        ),


      );
    }
}
```

Output:

Screenshot 6

Conclusion:
To design simple flutter UI by including common widgets.