

EXPRIMENT NO 3

AIM:TO DESIGN FLUTTER UI BY INCLUDING ICONS IMAGES AND FONTS

THEORY:

To design a Flutter UI that includes icons, images, and custom fonts, you can leverage various Flutter widgets and packages. Let's break down the key components:

Icons:

Icons in Flutter are represented by the Icon widget. Flutter provides a wide range of built-in icons through the Icons class. You can customize the appearance of icons by adjusting properties like color, size, and more. You can also use custom icons from various packages like flutter_icons or even create your own custom icons.

Images:

Displaying images in Flutter is accomplished using the Image widget. Images can be loaded from local assets or network resources.

Fonts:

Custom fonts can enhance the typography of your Flutter app. To use custom fonts, include the font files in your project and then reference them using the TextStyle widget.

```
6
7 import '../common_widgets/round_button.dart';
8
9 class UserProfile extends StatefulWidget {
10   const UserProfile({Key? key}) : super(key: key);
11
12   @override
13   State<UserProfile> createState() => _UserProfileState();
14 }
15
16 class _UserProfileState extends State<UserProfile> {
17   bool positive = false;
18
19   List accountArr = [
20     {
21       "image": "assets/icons/p_personal.png",
22       "name": "Personal Data",
23       "tag": "1"
24     },
25     {"image": "assets/icons/p_achi.png", "name": "Achievement", "tag": "2"},
26     {
27       "image": "assets/icons/p_activity.png",
28       "name": "Activity History",
29       "tag": "3"
30     },
31     {
32       "image": "assets/icons/p_workout.png",
33       "name": "Workout Progress",
34       "tag": "4"
35     }
36   ];
37
38   List otherArr = [
39     {"image": "assets/icons/p_contact.png", "name": "Contact Us", "tag": "5"},
40     {
41       "image": "assets/icons/p_privacy.png",
42       "name": "Privacy Policy",
```

```

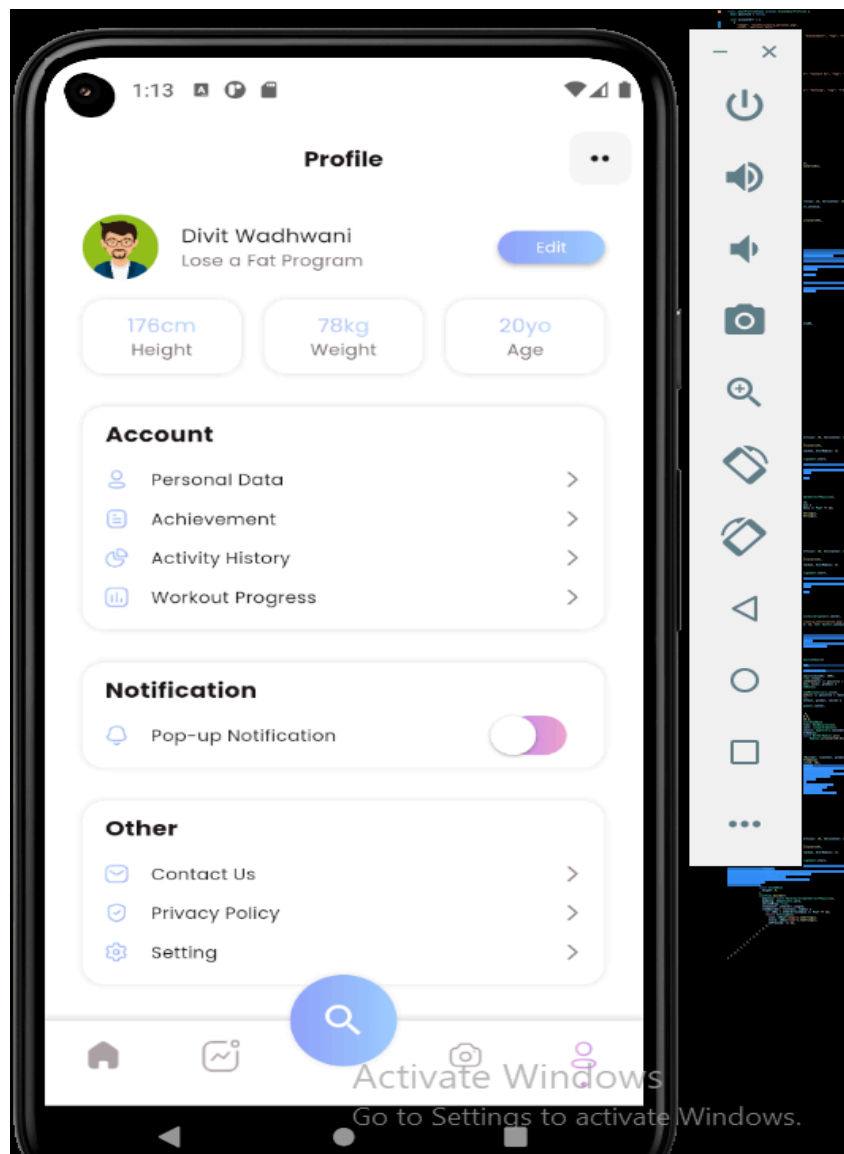
55     elevation: 0,
56     title: const Text(
57       "Profile",
58       style: TextStyle(
59         color: AppColors.blackColor,
60         fontSize: 16,
61         fontWeight: FontWeight.w700),
62     ),
63     actions: [
64       InkWell(
65         onTap: () {},
66         child: Container(
67           margin: const EdgeInsets.all(8),
68           height: 40,
69           width: 40,
70           alignment: Alignment.center,
71           decoration: BoxDecoration(
72             color: AppColors.lightGrayColor,
73             borderRadius: BorderRadius.circular(10)),
74           child: Image.asset(
75             "assets/icons/more_icon.png",
76             width: 12,
77             height: 12,
78             fit: BoxFit.contain,
79           ),
80         ),
81       ],
82     ],
83   ),
84   body: SingleChildScrollView(
85     child: Container(
86       padding: const EdgeInsets.symmetric(vertical: 15, horizontal: 25),
87       child: Column(
88         crossAxisAlignment: CrossAxisAlignment.stretch,
89         children: [
90           Row(

```

```

93 |         borderRadius.circular(30),
94 |         child: Image.asset(
95 |           "assets/images/user.png",
96 |           width: 50,
97 |           height: 50,
98 |           fit: BoxFit.cover,
99 |         ),
100 |       ),
101 |       const SizedBox(
102 |         width: 15,
103 |       ),
104 |       Expanded(
105 |         child: Column(
106 |           crossAxisAlignment: CrossAxisAlignment.start,
107 |           children: [
108 |             text(
109 |               "Divit Wadhwani",
110 |               style: TextStyle(
111 |                 color: AppColors.blackColor,
112 |                 fontSize: 14,
113 |                 fontWeight: FontWeight.w500,
114 |               ),
115 |             ),
116 |             text(
117 |               "Lose a Fat Program",
118 |               style: TextStyle(
119 |                 color: AppColors.grayColor,
120 |                 fontSize: 12,
121 |               ),
122 |             ),
123 |           ],
124 |         ),
125 |       ),
126 |       SizedBox(
127 |         width: 70,
128 |         height: 25,
129 |         child: RoundButton(

```



CONCLUSION:

Incorporating icons, images, and fonts adds richness to your Flutter UI. By utilizing Flutter's built-in capabilities and packages, you can easily enhance the visual appeal and user experience of your applications. The flexibility provided by Flutter's widget-based approach empowers developers to create aesthetically pleasing and feature-rich UIs. Remember to consider the visual consistency and performance implications when integrating these elements into your app.