



CHAPTER 3

MODULE 2

EXERCISE 1



Home page

AppBar-

- title (home)
- IconButton
(click to notification page)

Body-

- container-image

Notification page

AppBar-

- title (notification)

Body-

- ListView builder
- Padding
- Container
- ListTile

(icon 'person',
title 'notification',
IconButton 'delete')

```
1 import 'package:flutter/material.dart';
2 class Noti extends StatefulWidget{
3   Noti({super.key});
4   State<Noti> createState() => _noti();
5 }
6 class _noti extends State<Noti>{
7   @override
8   Widget build(BuildContext context) {
9     return Scaffold(
10       appBar: AppBar(
11         title: Text('Home',style: TextStyle(fontSize: 20,color: Colors.white),),
12         centerTitle: true,
13         backgroundColor: Colors.orangeAccent,
14         actions: [
15           IconButton(onPressed: (){
16             Navigator.of(context).push(
17               MaterialPageRoute(builder:
18                 (context) => fication() ,));}, // MaterialPageRoute
19             icon: Icon(Icons.notifications,color: Colors.white,), // IconButton
20             SizedBox(width: 15),
21           ],
22         ),
23         body: SingleChildScrollView(
24           child: Center(
25             child: Column(children: [
26               Padding(padding: EdgeInsetsGeometry.all(30),
27                 child: Container(
28                   width: 900,
29                   height: 250,
30                   decoration: BoxDecoration(),
31                   child: Image.asset('assets/car3.jpg',fit: BoxFit.cover,)),
32               ), // Container // Padding
33               Padding(padding: EdgeInsetsGeometry.symmetric(horizontal: 30),
34                 child: Container(
35                   width: 900,
36                   height: 250,
37                   decoration: BoxDecoration(),
```

```

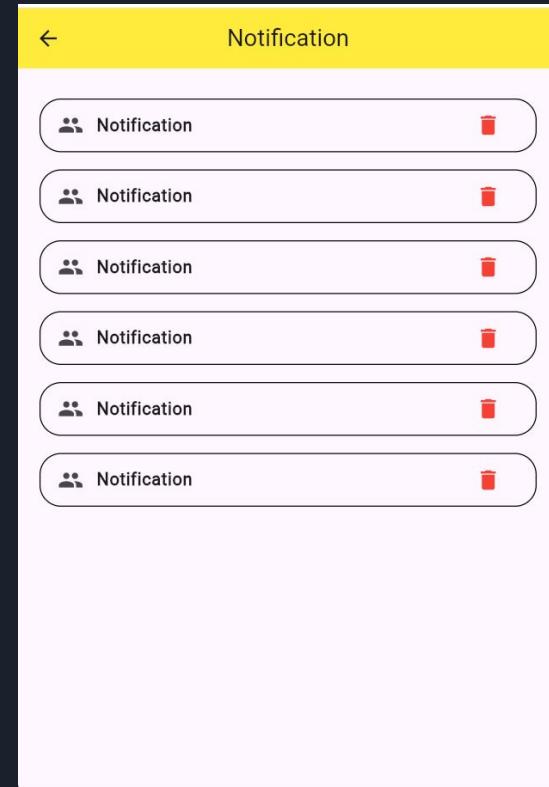
38
39         child: Image.asset('assets/car1.jpg', fit: BoxFit.cover),
40     ), // Container // Padding
41     Padding(padding: EdgeInsetsGeometry.all(30),
42     child: Container(
43         width: 900,
44         height: 250,
45         decoration: BoxDecoration(),
46         child: Image.asset('assets/car2.jpg', fit: BoxFit.cover),
47     ), // Container // Padding
48     Padding(padding: EdgeInsetsGeometry.symmetric(horizontal: 30),
49     child: Container(
50         width: 900,
51         height: 250,
52         decoration: BoxDecoration(),
53         child: Image.asset('assets/car4.jpg', fit: BoxFit.cover),
54     ), // Container // Padding
55     ], // Column
56   ), // Center
57 ) // SingleChildScrollView
58 ); // Scaffold
59 }
60 class fication extends StatefulWidget {
61 const fication({super.key});
62 @override
63 State<fication> createState() => _fic();
64 }
65 class _fic extends State<fication> {
66   List<String> notifications = [
67     "Notification",
68     "Notification",
69     "Notification",
70     "Notification",
71     "Notification",

```

```

73   ];
74   @override
75   Widget build(BuildContext context) {
76     return Scaffold(
77       appBar: AppBar(
78         title: const Text('Notification'),
79         centerTitle: true,
80         backgroundColor: Colors.yellow,
81     ), // AppBar
82     body: ListView.builder(
83         padding: const EdgeInsets.all(20),
84         itemCount: notifications.length,
85         itemBuilder: (context, index) {
86           return Padding(
87             padding: const EdgeInsets.symmetric(vertical: 8),
88             child: Container(
89                 decoration: BoxDecoration(
90                     border: Border.all(),
91                     borderRadius: BorderRadius.circular(20),
92                 ), // BoxDecoration
93                 child: ListTile(
94                   leading: const Icon(Icons.people_sharp),
95                   title: Text(
96                     notifications[index],
97                     style: const TextStyle(fontWeight: FontWeight.bold),
98                 ), // Text
99                   trailing: IconButton(
100                     icon: const Icon(Icons.delete, color: Colors.red),
101                     onPressed: () {
102                       setState(() {
103                         notifications.removeAt(index);
104                     });
105                   },
106                   ), // IconButton
107               ). // ListTile

```



```

1 import 'package:flutter/material.dart';
2 class Homee extends StatefulWidget{
3   Homee({super.key});
4   @override
5   State<Homee> createState() => _home();
6 }
7 class _home extends State<Homee>{
8   @override
9   Widget build(BuildContext context) {
10   return Scaffold(
11     appBar: AppBar(
12       title: Text('Home Page'),
13       centerTitle: true,
14       backgroundColor: Colors.blueGrey,
15     ), // AppBar
16   body: Center(
17     child: Column(mainAxisAlignment: MainAxisAlignment.center, children: [
18       ElevatedButton(
19         style: ElevatedButton.styleFrom(
20           backgroundColor: Colors.indigo,
21           foregroundColor: Colors.black,
22           padding: EdgeInsets.symmetric(horizontal: 80,vertical: 20),
23           textStyle: TextStyle(fontSize: 20,fontWeight: FontWeight.bold),
24           shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(20)),
25           elevation: 5,
26         ),
27         onPressed: (){
28           Navigator.push(context, MaterialPageRoute(builder: (context) => Profile()));
29         }, child: Text('Profile')), // ElevatedButton
30       SizedBox(height: 30),
31       ElevatedButton(
32         style: ElevatedButton.styleFrom(
33           backgroundColor: Colors.green,
34           foregroundColor: Colors.black,
35           padding: EdgeInsets.symmetric(horizontal: 60,vertical: 20),
36           textStyle: TextStyle(fontSize: 20,fontWeight: FontWeight.bold),
37           shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(20)),

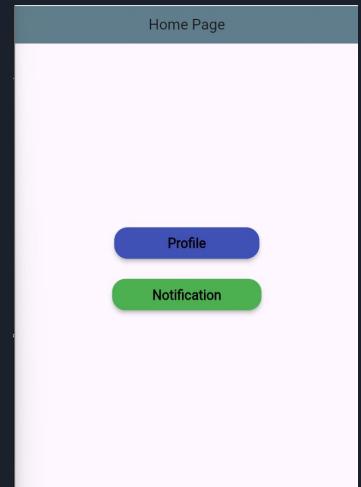
```

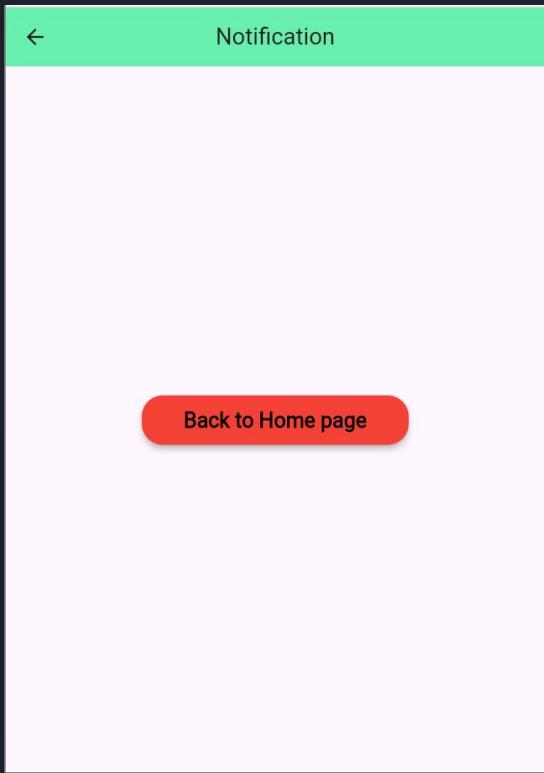
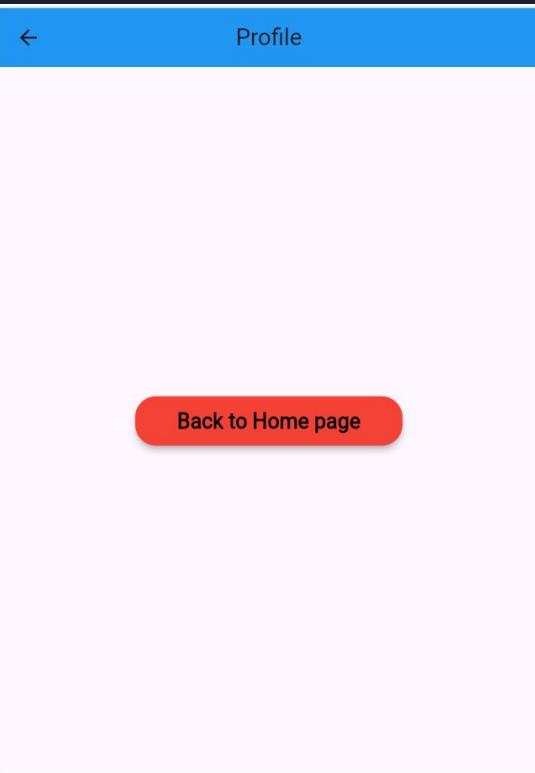
EXERCISE 2

```

38           elevation: 5,
39         ),
40         onPressed: (){
41           Navigator.push(context, MaterialPageRoute(builder: (context) => Not()));
42         }, child: Text('Notification')), // ElevatedButton
43       ], // column
44     ), // Center
45   ); // Scaffold
46 }
47 }
48 class Profile extends StatelessWidget{
49   Profile({super.key});
50   @override
51   Widget build(BuildContext context) {
52     return Scaffold(
53       appBar: AppBar(
54         title: Text('Profile'),
55         centerTitle: true,
56         backgroundColor: Colors.blue,
57       ), // AppBar
58     body: Center(
59       child: ElevatedButton(
60         style: ElevatedButton.styleFrom(
61           backgroundColor: Colors.red,
62           foregroundColor: Colors.black,
63           padding: EdgeInsets.symmetric(horizontal: 40,vertical: 20),
64           textStyle: TextStyle(fontSize: 20,fontWeight: FontWeight.bold),
65           shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(20)),
66           elevation: 5,
67         ),
68         onPressed: (){
69           Navigator.pop(context);
70         }, child: Text('Back to Home page')), // ElevatedButton
71       ), // Center
72

```

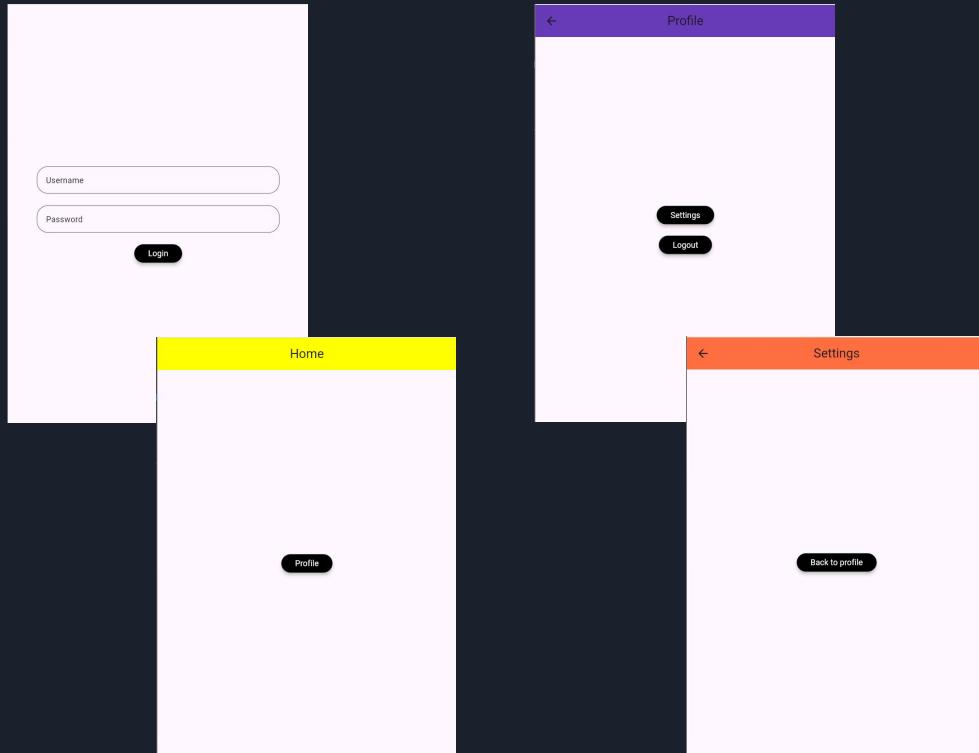




```
76 class Not extends StatelessWidget{  
77   Not({super.key});  
78   @override  
79   Widget build(BuildContext context) {  
80     return Scaffold(  
81       appBar: AppBar(  
82         title: Text('Notification'),  
83         centerTitle: true,  
84         backgroundColor: Colors.greenAccent,  
85       ), // AppBar  
86       body: Center(  
87         child: ElevatedButton(  
88           style: ElevatedButton.styleFrom(  
89             backgroundColor: Colors.red,  
90             foregroundColor: Colors.black,  
91             padding: EdgeInsets.symmetric(horizontal: 40,  
92               vertical: 20), // EdgeInsets.symmetric  
93             textStyle: TextStyle(fontSize: 20,  
94               fontWeight: FontWeight.bold), // TextStyle  
95             shape: RoundedRectangleBorder(  
96               borderRadius: BorderRadius.circular(20)), //  
97               elevation: 5,  
98             ),  
99             onPressed: (){  
100               Navigator.pop(context);  
101             }, child: Text('Back to Home page')), // Elevated  
102           ), // Center  
103         ); // Scaffold
```

Push Replacement , Named Route ,Push And Remove Until

```
1 import 'package:exercise3/route.dart';
2 import 'package:flutter/material.dart';
Run | Debug | Profile
3 void main(){
4   runApp(
5     | Named());
6 }
7 class Named extends StatelessWidget{
8   Named({super.key});
9   @override
10  Widget build(BuildContext context) {
11    return MaterialApp(
12      debugShowCheckedModeBanner: false,
13      initialRoute: 'log',
14      routes: [
15        'log' : (context) => Login(),
16        'ho': (context) => Home(),
17        'pro' : (context) => Profile(),
18        'sett' :(context) => Settings(),
19      ],
20    ); // MaterialApp
21  }
22 }
```



login

```
1 import 'package:flutter/material.dart';
2 class Login extends StatelessWidget {
3   const Login({super.key});
4   @override
5   Widget build(BuildContext context) {
6     return Scaffold(body: Center(
7       child: Padding(padding: EdgeInsetsGeometry.all(50),
8         child: Column(
9           mainAxisAlignment: MainAxisAlignment.center,
10          children: [ TextField(
11            decoration: InputDecoration(
12              hint: Text('Username'),
13              border: OutlineInputBorder(borderRadius: BorderRadius.circular(20))
14            ), // InputDecoration
15          ), // TextField
16          SizedBox(height: 20),
17          TextField(
18            obscureText: true,
19            decoration: InputDecoration(
20              hint: Text('Password'),
21              border: OutlineInputBorder(borderRadius: BorderRadius.circular(20))
22            ), // InputDecoration
23          ), // TextField
24          SizedBox(height: 20),
25          ElevatedButton(
26            style: ElevatedButton.styleFrom(
27              backgroundColor: Colors.black,
28              elevation: 5,
29            ),
30            onPressed: (){
31              Navigator.pushReplacement(
32                context, MaterialPageRoute(
33                  builder: (context)=>Home());
34              );
35            },
36            child: Text('Login',style: TextStyle(color: Colors.white),),
37          ),
38        ],
39      ), // Column
40    ),
41  );
42 }
```

home

```
43 class Home extends StatelessWidget {
44   const Home({super.key});
45   @override
46   Widget build(BuildContext context) {
47     return Scaffold(
48       appBar: AppBar(
49         backgroundColor: Colors.yellowAccent,
50         title: Text('Home'),
51         centerTitle: true,
52       ), // AppBar
53       body: Center(
54         child: ElevatedButton(
55           style: ElevatedButton.styleFrom(
56             backgroundColor: Colors.black,
57             elevation: 5,
58           ),
59           onPressed: (){
60             Navigator.pushNamed(context, 'pro');
61           },
62           child: Text('Profile',style: TextStyle(
63             color: Colors.white
64           )), // TextStyle // Text // Elevated
65         ), // Center
66       ); // Scaffold
67     }
68 }
```

profile

```
79 //profile page
80 body: Center(
81     child: Column(mainAxisAlignment: MainAxisAlignment.center, children: [
82         ElevatedButton(
83             style: ElevatedButton.styleFrom(
84                 backgroundColor: Colors.black,
85                 elevation: 5,),
86             onPressed: (){
87                 Navigator.pushNamed(context, 'sett');
88             },
89             child: Text('Settings',style: TextStyle(
90                 color: Colors.white
91             ),), // TextStyle // Text // ElevatedButton
92             SizedBox(height: 20),
93             ElevatedButton(
94                 style: ElevatedButton.styleFrom(
95                     backgroundColor: Colors.black,
96                     elevation: 5,
97                 ),
98                 onPressed: ()[ | |
99                     Navigator.pushAndRemoveUntil(
100                         context, MaterialPageRoute(
101                             builder: (context)=>Login()), // MaterialPageRoute
102                             (Route<dynamic> route)=>false);
103                 ],
104                 child: Text('Logout',style: TextStyle(
105                     color: Colors.white
106                 ),), // TextStyle // Text // ElevatedButton
107                 ], // Column
108             ), // Center
109         ); // Scaffold
```

settings

```
111 class Settings extends StatelessWidget {
112     const Settings({super.key});
113
114     @override
115     Widget build(BuildContext context) {
116         return Scaffold(
117             appBar: AppBar(
118                 backgroundColor: Colors.deepOrangeAccent,
119                 title: Text('Settings'),
120                 centerTitle: true,
121             ), // AppBar
122             body: Center(
123                 child: ElevatedButton(
124                     style: ElevatedButton.styleFrom(
125                         backgroundColor: Colors.black,
126                         elevation: 5,
127                     ),
128                     onPressed: (){
129                         Navigator.pop(context);
130                     },
131                     child: Text('Back to profile',style: TextStyle(
132                         color: Colors.white
133                     ),), // TextStyle // Text // ElevatedButton
134                 ), // Center
135             ); // scaffold
136         }
137 }
```