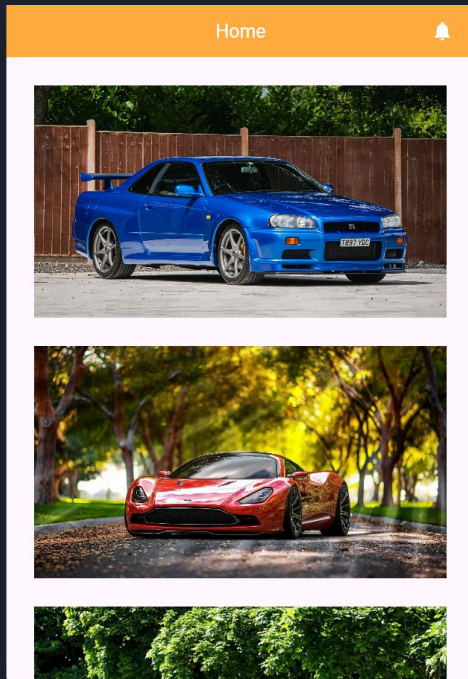


A decorative graphic on the left side of the slide. It consists of a blue parallelogram and a light green parallelogram, both tilted at an angle. The blue shape is in the foreground, and the green shape is partially behind it. They are set against a dark blue background with diagonal stripes.

# 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       ), // AppBar
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(),
```

```

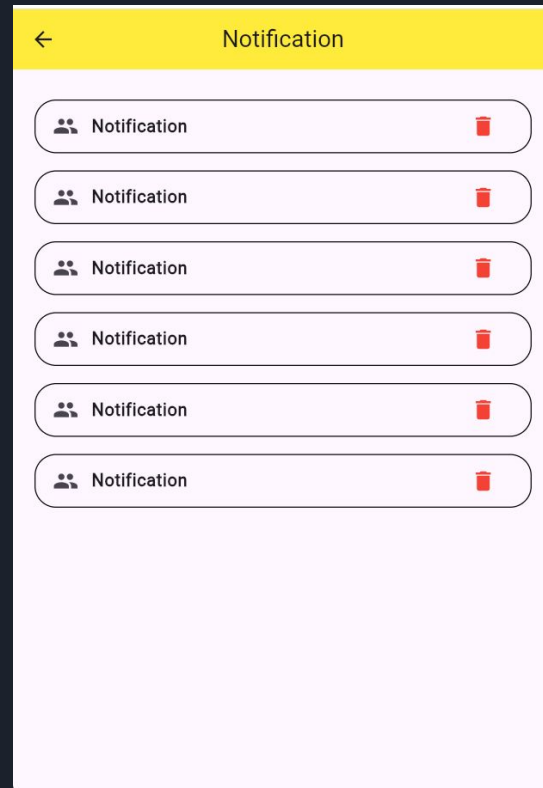
38         child: Image.asset('assets/car1.jpg', fit: BoxFit.cover,),
39       ), // Container // Padding
40       Padding(padding: EdgeInsetsGeometry.all(30),
41       child: Container(
42         width: 900,
43         height: 250,
44         decoration: BoxDecoration(),
45         child: Image.asset('assets/car2.jpg', fit: BoxFit.cover,),
46       ), // Container // Padding
47       Padding(padding: EdgeInsetsGeometry.symmetric(horizontal: 30),
48       child: Container(
49         width: 900,
50         height: 250,
51         decoration: BoxDecoration(),
52         child: Image.asset('assets/car4.jpg', fit: BoxFit.cover,),
53       ), // Container // Padding
54     ]), // Column
55   ), // Center
56 ) // SingleChildScrollView
57 ); // Scaffold
58 }
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

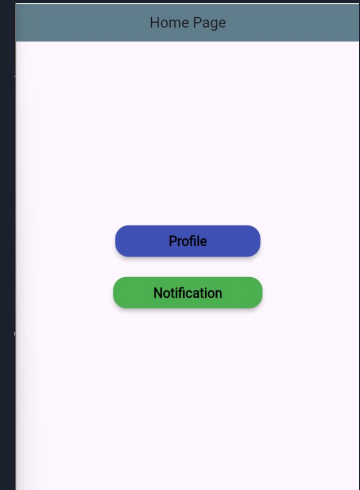
```



## EXERCISE 2

```
1 import 'package:flutter/material.dart';
2 class Homeee extends StatefulWidget{
3   Homeee({super.key});
4   @override
5   State<Homeee> createState() => _home();
6 }
7 class _home extends State<Homeee>{
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)),
```

```
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   );
```





Profile

Back to Home page



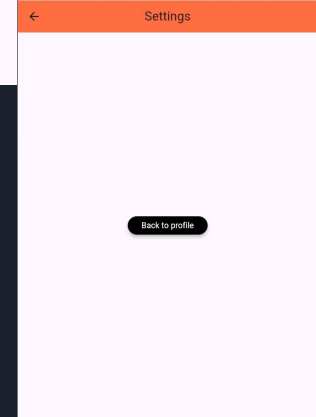
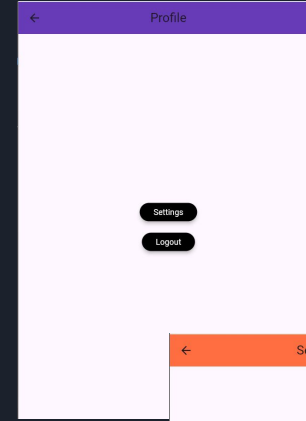
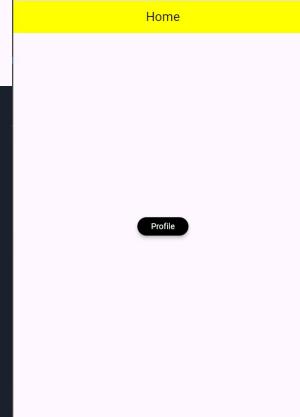
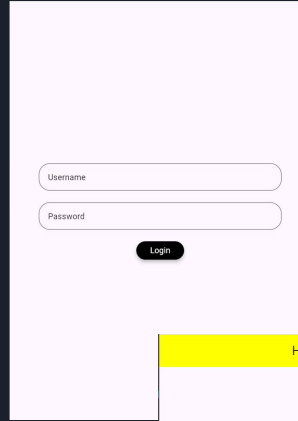
Notification

Back to Home page

```
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()); // MaterialPageRoute
34            ),
35            child: Text('Login',style: TextStyle(color: Colors.white))), // Elevated
36          ],
37        ), // Column
```

## 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   }
```