

# *Module 2*

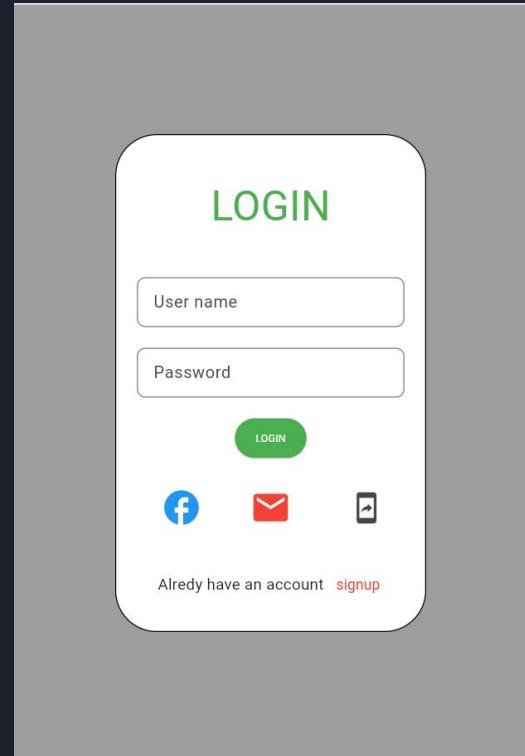
## *Chapter 1*

### *(exercise/workshops)*

## Exercise 1

```
import 'package:flutter/material.dart';

class Login extends StatelessWidget{
  Login({super.key});
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.grey,
      body: Center(
        child: Container(
          width: 300,
          height: 480,
          padding: EdgeInsets.all(20),
          margin: EdgeInsets.all(16),
          decoration: BoxDecoration(
            color: Colors.white,
            border: Border.all(color: Colors.black),
            borderRadius: BorderRadius.circular(40),
          ), // BoxDecoration
          child: Column(
            children: [
              SizedBox(height: 20),
              Text('LOGIN',
                style: TextStyle(fontSize: 40,color: Colors.green),
              ), // Text
              SizedBox(height: 40),
              TextField(
                decoration: InputDecoration(
                  labelText: 'User name',
                  border: OutlineInputBorder(
                    borderRadius: BorderRadius.circular(8)
                  ) // OutlineInputBorder
                )
              )
            ],
          )
        )
      )
    );
  }
}
```



```
SizedBox(height: 20),  
  
TextField(  
  obscureText: true,  
  decoration: InputDecoration(  
    labelText: 'Password',  
    border: OutlineInputBorder(  
      borderRadius: BorderRadius.circular(8)  
    ), // OutlineInputBorder  
  ), // InputDecoration  
), // TextField  
SizedBox(height: 20),  
  
ElevatedButton(onPressed:  
() {  
  
},  
style: ElevatedButton.styleFrom(  
  
  backgroundColor: Colors.green,  
  shape: RoundedRectangleBorder(  
    borderRadius: BorderRadius.circular(20),  
  ), // RoundedRectangleBorder  
  padding: EdgeInsets.symmetric(horizontal: 20, vertical: 20),  
),  
child: Text('LOGIN', style: TextStyle(color: Colors.white, fontSize: 18), // TextStyle  
). // Text
```

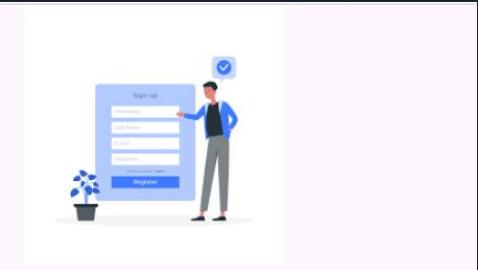
```
Row(  
  children: [  
    SizedBox(width: 15),  
    IconButton(icon: Icon(Icons.facebook), onPressed: (){  
      },  
      color: Colors.blue,  
      iconSize: 40.0,  
    ), // IconButton  
  
    SizedBox(width: 30),  
    IconButton(onPressed: (){  
      },  
      icon: Icon(Icons.mail),  
      color: Colors.red,  
      iconSize: 40.0,  
    ), // IconButton  
    SizedBox(width: 40),  
    IconButton(onPressed: (){  
      },  
      icon: Icon(Icons.mobile_screen_share),  
      iconSize: 33.0,  
    ) // IconButton  
  ], // Row
```

```
Row(  
  children: [  
    SizedBox(width: 20),  
    Text('Already have an account', style: TextStyle(fontSize: 15),),  
    TextButton(onPressed:(){  
      },  
      child: Text('signup', style: TextStyle(color: Colors.red),),  
    ) // TextButton  
  ], // Row  
  ), // Column  
  ), // Container  
  ), // Center  
); // Scaffold  
}
```

## Exercise 2

```
body: SingleChildScrollView(  
child :Padding[  
padding: EdgeInsets.symmetric(horizontal: 50),  
  
child: Center(  
  
child: Column(  
  
children: [  
Container(  
  
width: 500,  
height: 200,  
  
child: Image.network('https://encrypted  
, // Container  
SizedBox(height: 10),  
Container(  
width: 400,  
height: 40,  
  
child: Text(  
'Create Your Account',  
style: TextStyle(  
fontWeight: FontWeight.bold,  
fontSize: 30,  
color: Colors.black,  
, // TextStyle  
, // Text  
, // Container  
  
SizedBox(height: 10),
```

```
Text(  
'create an account so you can manage your personal finances.',  
style: TextStyle(color: Colors.grey,fontSize: 20,fontStyle: FontStyle.italic  
, // TextStyle  
, // Text  
  
SizedBox(height: 20),  
  
TextField(  
  
decoration: InputDecoration(  
  
labelText: 'Enter Your Name',  
border: OutlineInputBorder(  
| borderRadius: BorderRadius.circular(8),  
, // OutlineInputBorder  
, // InputDecoration  
, // TextField  
  
SizedBox(height: 20),  
  
TextField(  
  
decoration: InputDecoration(  
  
labelText: 'Enter Number',  
border: OutlineInputBorder(  
| borderRadius: BorderRadius.circular(8),  
, // OutlineInputBorder  
, // InputDecoration  
, // TextField
```



## Create Your Account

create an account so you can manage your personal finances.



Sign up

Sign Up With

Already have an Account? [Login](#)

```
SizedBox(height: 20),  
  
TextField(  
  
    obscureText: true,  
    decoration: InputDecoration(  
        labelText: 'Enter Password',  
        suffixIcon: Icon(Icons.visibility_off),  
  
        border: OutlineInputBorder(  
            borderRadius: BorderRadius.circular(8)  
  
        ), // OutlineInputBorder  
  
    ), // InputDecoration  
  
, // TextField  
  
SizedBox(height: 20),  
  
ElevatedButton(onPressed: (){  
    print('sign up');  
},  
    style: ElevatedButton.styleFrom(  
        backgroundColor: Colors.blue,  
        shape: RoundedRectangleBorder(  
            borderRadius: BorderRadius.circular(20)  
        ) // RoundedRectangleBorder  
),
```

```
Text(  
    'Sign Up With ',), // Text  
Row(  
    mainAxisAlignment: MainAxisAlignment.center,  
    children: [  
  
        IconButton(onPressed: (){  
            print('facebook login');  
        },  
        icon: Icon(Icons.facebook,size: 40,), // IconButton  
        IconButton(onPressed: (){  
            print('google Login');  
        },  
        icon: Icon(Icons.g_mobiledata,size: 50)), // IconButton  
        IconButton(onPressed: (){  
            print('apple login');  
        }, icon: Icon(Icons.apple,size: 40,), // IconButton  
    ],  
, // Row  
  
SizedBox(height: 20),  
  
Row(  
    mainAxisAlignment: MainAxisAlignment.center,  
    children: [  
        Text('Already have an Account?'),  
        TextButton(onPressed: (){  
            print('login page navigation');  
        },  
        child: Text('Login')), // TextButton  
    ],  
) // Row
```

# Workshop 1

```
body: Padding (  
    padding: const EdgeInsets.all(8.0),  
    child: Column (  
        crossAxisAlignment :  
CrossAxisAlignment.start,  
        children: [  
            Image.asset("assets/signup.jpg"),  
            const Row (  
                mainAxisAlignment :  
MainAxisAlignment.spaceAround ,  
                children: [  
                    Text (  
                        "First Name",  
                        style: TextStyle(fontSize: 20),  
                    ),  
                    Text (  
                        "Last Name",  
                        style: TextStyle(fontSize: 20),  
                    )  
                ],  
            ),  
            const Row (  
                children: [  
                    Expanded (  
                        child: TextField (  
  
                            decoration: InputDecoration (  
                                border: OutlineInputBorder (),  
                            ),  
                        ),  
                    ),  
                ],  
            ),  
        ],  
    ),  
);
```

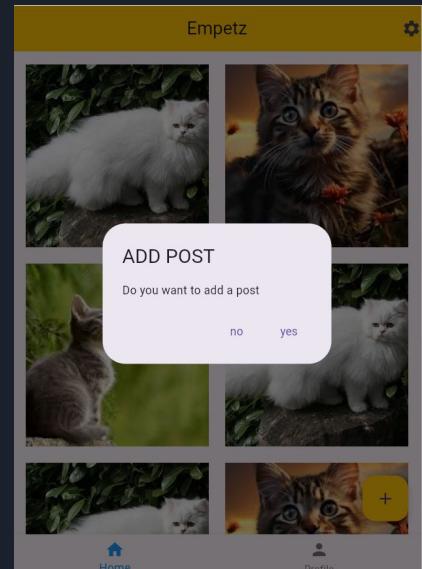
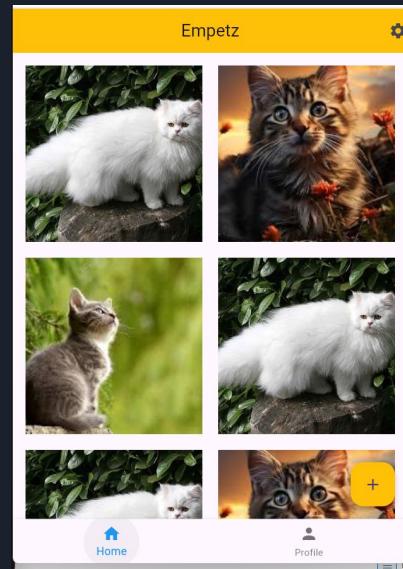
```
Center(  
    child: ElevatedButton(  
        style: ElevatedButton.styleFrom(  
            backgroundColor Colors.green[100]),  
        onPressed: () {  
            showDialog(  
                context: context,  
                builder: (BuildContext context) {  
                    return const AlertDialog(  
                        title: Text('Success'),  
                        content: Text('Account created  
successfully!'),  
                    );  
                },  
            );  
        },  
        child: const Text(  
            "Create Account",  
            style: TextStyle(color: Colors.black),  
        ),  
    ),  
,
```



# Workshop 2

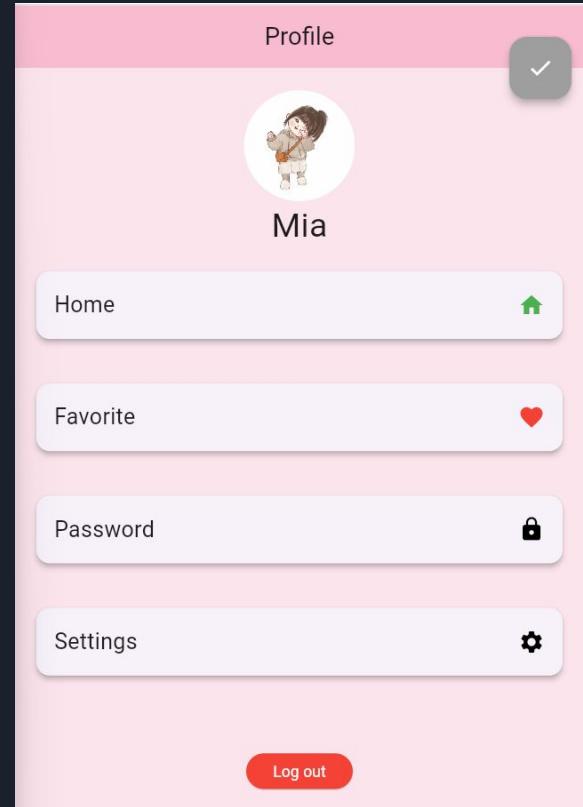
```
return Scaffold(  
    floatingActionButton: FloatingActionButton(  
        backgroundColor: Colors.amber,  
        onPressed: () {  
            showDialog(  
                context: context,  
                builder: (BuildContext context){  
                    return AlertDialog(  
                        title: Text('ADD POST'),  
                        content: Text('Do you want to add a post'),  
                        actions: <Widget>[  
                            TextButton(  
                                child: Text('no'),  
                                onPressed: (){  
                                    Navigator.of(context).pop();  
                                },  
                            ),  
                            TextButton(  
                                child: Text('yes'),  
                                onPressed: (){  
                                    Navigator.of(context).pop();  
                                },  
                            ),  
                        ],  
                    );  
                }  
            );  
        }  
    );  
);
```

```
body: GridView.count(  
    crossAxisCount: 2, // Number of columns in  
    the grid  
    mainAxisSpacing: 20.0, // Spacing between  
    rows  
    crossAxisSpacing: 20.0, // Spacing between  
    columns  
    padding: const EdgeInsets.all(16.0),  
    children: [  
        Container(  
            color: Colors.green,  
            child: Image.asset(  
                'assets/cat.jpg',  
                fit: BoxFit.cover,  
            ),  
        ),  
        Container(  
            color: Colors.green,  
            child: Image.asset(  
                'assets/cat2.jpg',  
                fit: BoxFit.cover,  
            ),  
        ),  
    ],  
),
```



# Workshop 3

```
body: Column(  
    children: [  
        const SizedBox(  
            height: 20,  
        ),  
        CircleAvatar(  
            radius: 50,  
            backgroundImage: AssetImage('assets/ai-girl.jpg'),  
        ),  
        const Text(  
            "Mia",  
            style: TextStyle(fontSize: 30),  
        ),  
        const Card(  
            elevation: 4, // Elevation of the card  
            margin: EdgeInsets.all(20), // Margin around the card  
            child: Padding(  
                padding: EdgeInsets.all(16.0), // Padding inside the card  
                child: Row(  
                    children: [  
                        Expanded(  
                            child: Text(  
                                "Home",  
                                style: TextStyle(fontSize: 20),  
                            ),  
                        ),  
                        Icon(  
                            Icons.home,  
                            color: Colors.green,  
                        ),  
                    ],  
                ),  
            ),  
        ),  
    ],  
) ,  
  
ElevatedButton(  
    onPressed: () {},  
    style:  
        ElevatedButton.styleFrom(backgroun  
ndColor: Colors.red),  
    child: const Text(  
        "Log out",  
        style:  
            TextStyle(color: Colors.white),  
        ))  
],  
,
```



# Workshop 4

```
body: SingleChildScrollView(  
    child: Column(crossAxisAlignment:  
CrossAxisAlignment.start,  
    children: [  
        Center(  
            child : Container(  
                width: 300,  
                height: 200,  
                child: const Stack(  
  
                    children: [  
                        Image(  
                            image: AssetImage('assets/catpost.jpg'))  
  
                    ),  
                    Column(  
                        children: [  
                            Icon(Icons.report,  
                                color: Colors.red,  
                                size: 20,)  
                        ],  
                    ),  
                    ],  
                ),  
            ),  
        ),  
    ),  
),
```

