

Experiment 02 : To design Flutter UI by including common widgets.

Sign Up Screen

Code:

```
import 'package:flutter/material.dart';
import 'package:projects/methods/common_methods.dart';

import 'login_screen.dart';

class SignupScreen extends StatefulWidget {
  const SignupScreen({super.key});

  @override
  State<SignupScreen> createState() => _SignupScreenState();
}

class _SignupScreenState extends State<SignupScreen> {

  TextEditingController userNameTextEditingController = TextEditingController();
  TextEditingController userPhoneTextEditingController = TextEditingController();
  TextEditingController emailTextEditingController = TextEditingController();
  TextEditingController passwordTextEditingController = TextEditingController();
  CommonMethods cMethods = CommonMethods();

  checkIfNetworkIsAvailable()
  {
    cMethods.checkConnectivity(context);
    signUpFormValidation();
  }

  @override
  Widget build(BuildContext context)
  {
    return Scaffold(
      body: SingleChildScrollView(
        child: Padding(
          padding: const EdgeInsets.all(10),
          child: Column(
            children: [
              Image.asset(
                "assets/images/logo.png"
```

```
),
```

```
Text(  
  "Create a User's Account",  
  style: TextStyle(  
    fontSize: 26,  
    fontWeight: FontWeight.bold,  
    fontFamily: 'Montserrat',  
  ),  
),
```

```
// text fields
```

```
Padding(  
  padding: const EdgeInsets.all(22),  
  child: Column(  
    children: [
```

```
      TextField(  
        controller: userNameTextEditingController,  
        keyboardType: TextInputType.text,  
        decoration: const InputDecoration(  
          labelText: "User Name",  
          labelStyle: TextStyle(  
            fontSize: 14,  
          ),  
        ),  
        style: const TextStyle(  
          color: Colors.grey,  
          fontSize: 15,  
        ),  
      ),
```

```
      const SizedBox(  
        height: 22,  
      ),
```

```
      TextField(  
        controller: userPhoneTextEditingController,  
        keyboardType: TextInputType.number,  
        decoration: const InputDecoration(  
          labelText: "User Phone",  
          prefixIcon: Icon(Icons.phone, color: Colors.purple),  
          labelStyle: TextStyle(  
            color: Colors.purple,
```

```
        fontSize: 14,  
      ),  
    ),  
    style: const TextStyle(  
      color: Colors.grey,  
      fontSize: 15  
    ),  
  ),  
),
```

```
const SizedBox(  
  height: 22,  
),
```

```
TextField(  
  controller: emailTextEditingController,  
  keyboardType: TextInputType.emailAddress,  
  decoration: const InputDecoration(  
    labelText: "User Email",  
    prefixIcon: Icon(Icons.email, color: Colors.purple),  
    labelStyle: TextStyle(  
      fontSize: 14,  
    ),  
  ),  
  style: const TextStyle(  
    color: Colors.grey,  
    fontSize: 15  
  ),  
),
```

```
const SizedBox(  
  height: 22,  
),
```

```
TextField(  
  controller: passwordTextEditingController,  
  obscureText: true,  
  keyboardType: TextInputType.text,  
  decoration: const InputDecoration(  
    labelText: "User Password",  
    labelStyle: TextStyle(  
      fontSize: 14,  
    ),  
  ),  
),
```

```

        style: const TextStyle(
          color: Colors.grey,
          fontSize: 15
        ),
      ),

      const SizedBox(
        height: 32,
      ),

      ElevatedButton(
        onPressed: ()
        {
          checkIfNetworkIsAvailable();
        },
        style: ElevatedButton.styleFrom(
          backgroundColor: Colors.purple,
          padding: const EdgeInsets.symmetric(horizontal: 80,vertical: 10)
        ),
        child: const Text(
          "Sign Up"
        ),
      ),

    ],
  ),
),

const SizedBox(
  height: 12,
),

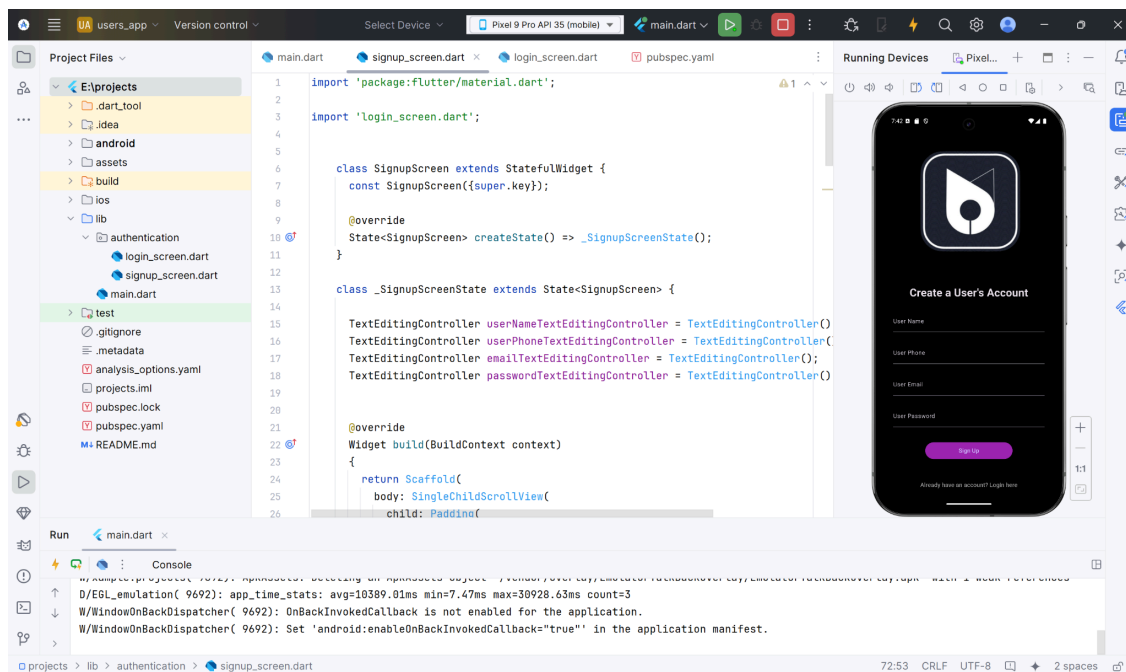
// textButton
TextButton(
  onPressed: ()
  {
    Navigator.push(context, MaterialPageRoute(builder: (c) => LoginScreen()));
  },
  child: const Text(
    "Already have an account? Login here",
    style: TextStyle(
      color: Colors.grey,
    ),
  ),
)

```

```

    ),
  ],
),
),
);
}
}

```



Login Screen

Code:

```

import 'package:flutter/material.dart';
import 'package:projects/authentication/signup_screen.dart';

```

```

class LoginScreen extends StatefulWidget {
  const LoginScreen({super.key});

```

```
@override
State<LoginScreen> createState() => _LoginScreenState();
}
```

```
class _LoginScreenState extends State<LoginScreen> {
```

```
TextEditingController emailTextEditingController = TextEditingController();
TextEditingController passwordTextEditingController = TextEditingController();
```

```
@override
Widget build(BuildContext context) {
  return Scaffold(
    body: SingleChildScrollView(
      child: Padding(
        padding: const EdgeInsets.all(10),
        child: Column(
          children: [
            Image.asset(
              "assets/images/logo.png"
            ),

            Text(
              "Login to your Account",
              style: TextStyle(
                fontSize: 26,
                fontWeight: FontWeight.bold,
                fontFamily: 'Montserrat',
              ),
            ),

            // text fields
            Padding(
              padding: const EdgeInsets.all(22),
              child: Column(
                children: [

                  TextField(
                    controller: emailTextEditingController,
                    keyboardType: TextInputType.emailAddress,
                    decoration: const InputDecoration(
```

```

        labelText: "User Email",
        labelStyle: TextStyle(
          fontSize: 14,
        ),
      ),
      style: const TextStyle(
        color: Colors.grey,
        fontSize: 15
      ),
    ),

    const SizedBox(
      height: 22,
    ),

    TextField(
      controller: passwordTextEditingController,
      obscureText: true,
      keyboardType: TextInputType.text,
      decoration: const InputDecoration(
        labelText: "User Password",
        labelStyle: TextStyle(
          fontSize: 14,
        ),
      ),
      style: const TextStyle(
        color: Colors.grey,
        fontSize: 15
      ),
    ),

    const SizedBox(
      height: 32,
    ),

    ElevatedButton(
      onPressed: ()
    {

    },

```

```

        style: ElevatedButton.styleFrom(
          backgroundColor: Colors.purple,
          padding: const EdgeInsets.symmetric(horizontal: 80, vertical: 10)
        ),
        child: const Text(
          "Sign Up"
        ),
      ),

    ],
  ),
),

const SizedBox(
  height: 12,
),

// textButton
TextButton(
  onPressed: ()
  {
    Navigator.push(context, MaterialPageRoute(builder: (c) =>
SignupScreen()));
  },
  child: const Text(
    "Don't have an account? Sign Up",
    style: TextStyle(
      color: Colors.grey,
    ),
  ),
)
)

],
),
),
),
);
}

```


}

