

Exp 4 To create an interactive Form using form widget

SignUp Form Validation Code highlighted by green

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();
  }

  signUpFormValidation(){
    if(userNameTextEditingController.text.trim().length < 3)
    {
      cMethods.displaySnackBar("Name must be at least 4 characters", context);
    }
    else if(userPhoneTextEditingController.text.trim().length < 10)
    {
      cMethods.displaySnackBar("Phone number must be at least 10 characters", context);
    }
    else if(!emailTextEditingController.text.contains("@"))
```

```

        cMethods.displaySnackBar("Email address is not valid", context);
    }
    else if(passwordTextEditingController.text.trim().length < 6)
    {
        cMethods.displaySnackBar("Password must be at least 6 characters", context);
    }
    else
    {
        // register User
    }
}

```

```
@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(  
      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,
    ),
  )
)

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

```

