

EXPERIMENT NO 4

NAME-SPANDAN DEB

CLASS-D15A

ROLL NO-13

AIM-To create an interactive form using form widget

CODE

The introduction page

```
import 'package:flutter/material.dart';
import 'package:google_fonts/google_fonts.dart';
import 'package:font_awesome_flutter/font_awesome_flutter.dart';
import 'package:myapp/pages/createaccount.dart';
import 'package:myapp/pages/loginpage.dart';
```

```
class TwitterLoginPage extends StatelessWidget {
  const TwitterLoginPage({super.key});
```

```
  @override
```

```
  Widget build(BuildContext context) {
```

```
    return Scaffold(
```

```
      body: Center(
```

```
        child: Padding(
```

```
          padding: const EdgeInsets.symmetric(horizontal: 30),
```

```
          child: Column(
```

```
mainAxisAlignment: MainAxisAlignment.center,
children: [
  // X logo at the top center
  const Falcon(FontAwesomeIcons.twitter, size: 50, color: Colors.blue),
  const SizedBox(height: 50),

  // Main Text
  Text(
    "See what's happening in the world right now",
    textAlign: TextAlign.center,
    style: GoogleFonts.roboto(
      fontSize: 24,
      fontWeight: FontWeight.bold,
    ),
  ),
  const SizedBox(height: 30),

  // Continue with Google Button

  // Create Account Button
  ElevatedButton(
    onPressed: () {
      Navigator.push(
        context,
        MaterialPageRoute(builder: (context) => const CreateAccount()),
      );
    },
    style: ElevatedButton.styleFrom(
      backgroundColor: Colors.blue,
```

```

        foregroundColor: Colors.white,
        padding: const EdgeInsets.symmetric(vertical: 15, horizontal: 50),
        shape: RoundedRectangleBorder(
          borderRadius: BorderRadius.circular(30),
        ),
      ),
      child: const Text("Create account"),
    ),
    const SizedBox(height: 20),

    // Already have an account? Log in
    TextButton(
      onPressed: () {
        Navigator.push(context,
          MaterialPageRoute(builder: (context) => const LoginPage()),
        );
      },
      child: const Text(
        "Have an account already? Log in",
        style: TextStyle(color: Colors.blue),
      ),
    ),
  ],
),
),
),
);
}
}

```



**See what's happening in the
world right now**

Create account

Have an account already? [Log in](#)

Create Account Page

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

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

  @override
  _CreateAccountState createState() => _CreateAccountState();
}
```

```
class _CreateAccountState extends State<CreateAccount> {
  final _formKey = GlobalKey<FormState>();
  final _usernameController = TextEditingController();
  final _emailController = TextEditingController();
  final _dobController = TextEditingController();
  final _passwordController = TextEditingController();
```

```
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        leading: IconButton(
          icon: const Icon(Icons.arrow_back, color: Colors.black),
          onPressed: () {
            Navigator.pop(context);
          },
        ),
        centerTitle: true,
```

```
title: const FaIcon(FaIcons.twitter, color: Colors.blue, size: 30),
backgroundColor: Colors.transparent,
elevation: 0,
),
body: Padding(
padding: const EdgeInsets.all(20),
child: Form(
key: _formKey,
child: Column(
crossAxisAlignment: CrossAxisAlignment.start,
children: [
// Username
const Text(
"Username",
style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
),
TextFormField(
controller: _usernameController,
decoration: InputDecoration(
hintText: "Enter your username",
border: OutlineInputBorder(borderRadius: BorderRadius.circular(10)),
),
validator: (value) {
if (value == null || value.isEmpty) {
return "Username cannot be empty";
}
return null;
},
),
```

```
const SizedBox(height: 15),

// Email
const Text(
  "Email",
  style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
),
TextFormField(
  controller: _emailController,
  decoration: InputDecoration(
    hintText: "Enter your email",
    border: OutlineInputBorder(borderRadius: BorderRadius.circular(10)),
  ),
  validator: (value) {
    if (value == null || value.isEmpty) {
      return "Email cannot be empty";
    } else if (!value.contains("@")) {
      return "Enter a valid email with @";
    }
    return null;
  },
),
const SizedBox(height: 15),

// Date of Birth
const Text(
  "Date of Birth",
  style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
),
```

```

TextFormField(
  controller: _dobController,
  decoration: InputDecoration(
    hintText: "DD/MM/YYYY",
    border: OutlineInputBorder(borderRadius: BorderRadius.circular(10)),
  ),
  keyboardType: TextInputType.datetime,
  validator: (value) {
    final dobPattern = RegExp(r"^(0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/^d{4}$");
    if (value == null || value.isEmpty) {
      return "Date of birth cannot be empty";
    } else if (!dobPattern.hasMatch(value)) {
      return "Enter a valid date in DD/MM/YYYY format";
    }
    return null;
  },
),
const SizedBox(height: 15),

```

```
// Password
```

```

const Text(
  "Password",
  style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
),

```

```

TextFormField(
  controller: _passwordController,
  obscureText: true,
  decoration: InputDecoration(
    hintText: "Enter your password",

```



```

        border: OutlineInputBorder(borderRadius: BorderRadius.circular(10)),
    ),
    validator: (value) {
        if (value == null || value.isEmpty) {
            return "Password cannot be empty";
        } else if (value.length < 6) {
            return "Password must be at least 6 characters";
        }
        return null;
    },
),
],
),
),
),
),
),

```

// Floating Action Button for "Next"

```

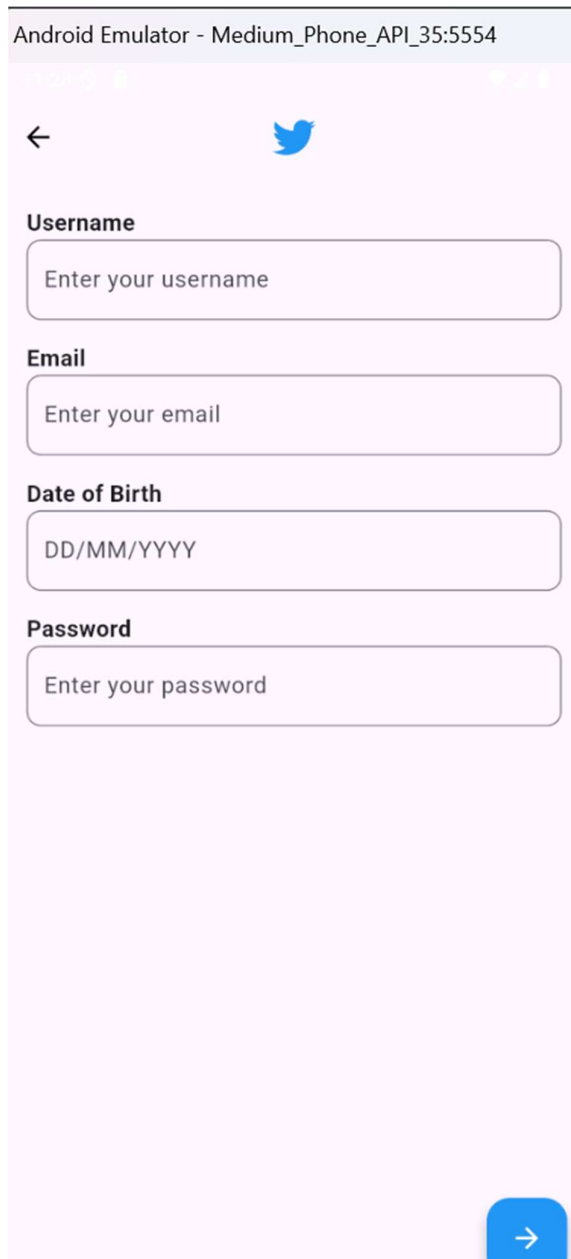
floatingActionButton: Padding(
    padding: const EdgeInsets.only(bottom: 30), // Adjust to move the button up
    child: FloatingActionButton(
        onPressed: () {
            if (_formKey.currentState!.validate()) {
                print("Username: ${_usernameController.text}");
                print("Email: ${_emailController.text}");
                print("DOB: ${_dobController.text}");
                print("Password: ${_passwordController.text}");
            }
        },
        backgroundColor: Colors.blue,
    ),
),

```

```

        child: const Icon(Icons.arrow_forward, color: Colors.white),
      ),
    ),
    floatingActionButtonLocation: FloatingActionButtonLocation.endFloat,
  );
}
}

```



Login Page

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

```
class LoginPage extends StatefulWidget {  
  const LoginPage({super.key});  
  
  @override  
  _LoginPageState createState() => _LoginPageState();  
}
```

```
class _LoginPageState extends State<LoginPage> {  
  final _formKey = GlobalKey<FormState>();  
  final _emailController = TextEditingController();  
  final _passwordController = TextEditingController();  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        leading: IconButton(  
          icon: const Icon(Icons.arrow_back),  
          onPressed: () {  
            Navigator.pop(context);  
          },  
        ),  
      ),  
      body: Padding(  
        padding: const EdgeInsets.symmetric(horizontal: 30),
```

```
child: Form(  
  key: _formKey,  
  child: Column(  
    crossAxisAlignment: CrossAxisAlignment.start,  
    children: [  
      // Twitter Logo  
      Center(  
        child: Falcon(  
          FontAwesomeIcons.twitter,  
          size: 50,  
          color: Colors.blue,  
        ),  
      ),  
      const SizedBox(height: 40),  
  
      // Email TextField  
      const Text(  
        "Email",  
        style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),  
      ),  
      TextFormField(  
        controller: _emailController,  
        decoration: InputDecoration(  
          border: OutlineInputBorder(  
            borderRadius: BorderRadius.circular(10),  
          ),  
          hintText: "Enter your email",  
        ),  
        validator: (value) {
```

```

        if (value == null || value.isEmpty) {
            return "Email cannot be empty";
        } else if (!value.contains("@")) {
            return "Enter a valid email with @";
        }
        return null;
    },
),
const SizedBox(height: 20),

// Password TextField
const Text(
    "Password",
    style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
),
TextFormField(
    controller: _passwordController,
    obscureText: true,
    decoration: InputDecoration(
        border: OutlineInputBorder(
            borderRadius: BorderRadius.circular(10),
        ),
        hintText: "Enter your password",
    ),
    validator: (value) {
        if (value == null || value.isEmpty) {
            return "Password cannot be empty";
        } else if (value.length < 6) {
            return "Password must be at least 6 characters";
        }
    },
),

```

```



    }
    return null;
  },
),
const SizedBox(height: 40),


// Next Button aligned at bottom-right
Align(
  alignment: Alignment.bottomRight,
  child: ElevatedButton(
    onPressed: () {
      if (_formKey.currentState!.validate()) {
        // Form is valid, proceed with login logic
        print("Email: ${_emailController.text}");
        print("Password: ${_passwordController.text}");
      }
    },
    style: ElevatedButton.styleFrom(
      backgroundColor: Colors.blue,
      foregroundColor: Colors.white,
      padding: const EdgeInsets.symmetric(vertical: 15, horizontal: 30),
      shape: RoundedRectangleBorder(
        borderRadius: BorderRadius.circular(30),
      ),
    ),
    child: const Text("Next"),
  ),
),
const SizedBox(height: 30),


```

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

Android Emulator - Medium_Phone_API_35:5554

11:36  





Email

Password

[Next](#)