

A. P. SHAH INSTITUTE OF TECHNOLOGY

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Department of Information Technology

Academic Year: 2024-25

Semester: VI

Class / Branch / Div: TE- IT A

Subject: MAD & PWA Lab

Name of Instructor: Prof. Saylee Lipalikar

Name of Student: Sahil Ghag

Student ID: 224104057

Roll No.37

Date of Submission: 07/03/25

Experiment No.:4

Aim: To Design an interactive Form using various form widgets.

Prerequisites: Android studio, flutter SDK_.

Problem Statement: To develop a flutter Form for creating form using widgets of flutter.

Software: Android studio, flutter SDK_.

Code:

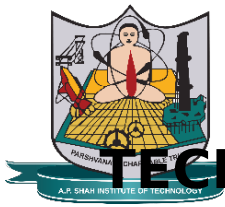
```
import 'package:flutter/material.dart;
```

```
void main() => runApp(const MyApp());
```

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

```
@override  
Widget build(BuildContext context) {  
  const appTitle = 'Exp 4';
```

```
  return MaterialApp(  
    title: appTitle,  
    debugShowCheckedModeBanner: false,  
    home: Scaffold(  
      appBar: AppBar(  
        title: const Text(appTitle),  
        backgroundColor: Colors.orange,  
      ),  
      body: const MyCustomForm(),  
    ),  
  );
```



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```
}  
}
```

```
// Create a Form widget.
```

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

```
  @override
```

```
    MyCustomFormState createState() {  
      return MyCustomFormState();
```

```
    }  
  }
```

```
  class MyCustomFormState extends State<MyCustomForm> {  
    final _formKey = GlobalKey<FormState>();
```

```
    @override
```

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

```
        return Form(  
          key: _formKey,
```

```
          child: Column(  
            crossAxisAlignment: CrossAxisAlignment.start,
```

```
            children: [
```

```
              Padding(  
                padding: const EdgeInsets.all(8.0),
```

```
                child: TextFormField(  
                  decoration: InputDecoration(  
                    labelText: "Name",  
                    hintText: "Enter your name",
```

```
                  ),
```

```
                  validator: (value) {  
                    if (value == null || value.isEmpty) {  
                      return 'Enter your Name: ';
```

```
                    }  
                    return null;
```

```
                  },
```

```
                ),
```

```
              ),
```

```
            ],
```

```
          ),
```

```
        ),
```

```
      ),
```

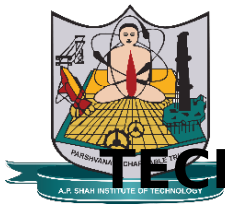
```
    },
```

```
  ),
```

```
),
```

```
),
```

```
),
```



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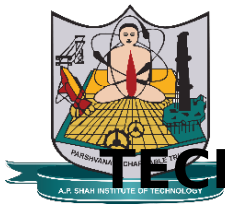
```
Padding(  
padding: const EdgeInsets.all(8.0),  
child: TextFormField(  
decoration: InputDecoration(  
labelText: "Enter your Mobile Number",  
hintText: "Enter your Mobile Number",  
),  
validator: (value) {  
if (value == null || value.isEmpty) {  
return 'Enter your Mobile Number: ';  
}  
if (value.length != 10) {  
return "Please Enter Correct Digits";  
}  
return null;  
},  
),  
),  
Padding(  
padding: const EdgeInsets.all(8.0),  
child: TextFormField(  
obscureText: true,  
decoration: InputDecoration(  
labelText: "Enter your Password",  
hintText: "Enter your Password",  
),  
),  
validator: (value) {  
if (value == null || value.isEmpty) {  
return 'Enter your Password ';  
}  
return null;  
},  
),  
),  
Padding(  
padding: const EdgeInsets.all(8.0),  
child: TextFormField(  
decoration: InputDecoration(  

```



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```
labelText: "Enter your Email",  
hintText: "Enter your Email",  
),  
validator: (value) {  
if (value == null || value.isEmpty) {  
return 'Enter your Email: ';  
}  
if (!RegExp(r'^[^\@]+\@[^\@]+\.[^\@]+' ).hasMatch(value)) {  
return "Enter a valid Email";  
}  
return null;  
},  
),  
),  
Padding(  
padding: const EdgeInsets.symmetric(vertical: 16.0),  
child: ElevatedButton(  
onPressed: () {  
if ( _formKey.currentState!.validate()) {  
// Navigate to the second page  
Navigator.push(  
context,  
MaterialPageRoute(  
builder: (context) => const NextPage(),  
),  
);  
}  
},  
child: const Text('Submit'),  
),  
),  
),  
),  
),  
),  
),  
)  
  
class NextPage extends StatelessWidget {
```



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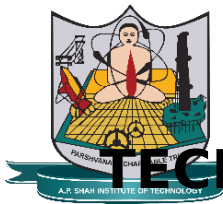
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```
const NextPage({super.key});
```

```
@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: const Text("Submission Status"),
      backgroundColor: Colors.orange,
    ),
    body: const Center(
      child: Text(
        "YOur filled ther form",
      ),
    ),
  );
}
```



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OUTPUT :

Exp 4

Name

Enter your Name:

Enter your Mobile Number

Enter your Mobile Number:

Enter your Password

Enter your Password:

Enter your Email

Enter your Email:

Submit

Exp 4

Name

Swami Chougule

Enter your Mobile Number

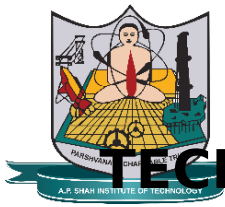
1234567890

Enter your Password

Enter your Email

swamiprasadchougule39@apsit.edu.in

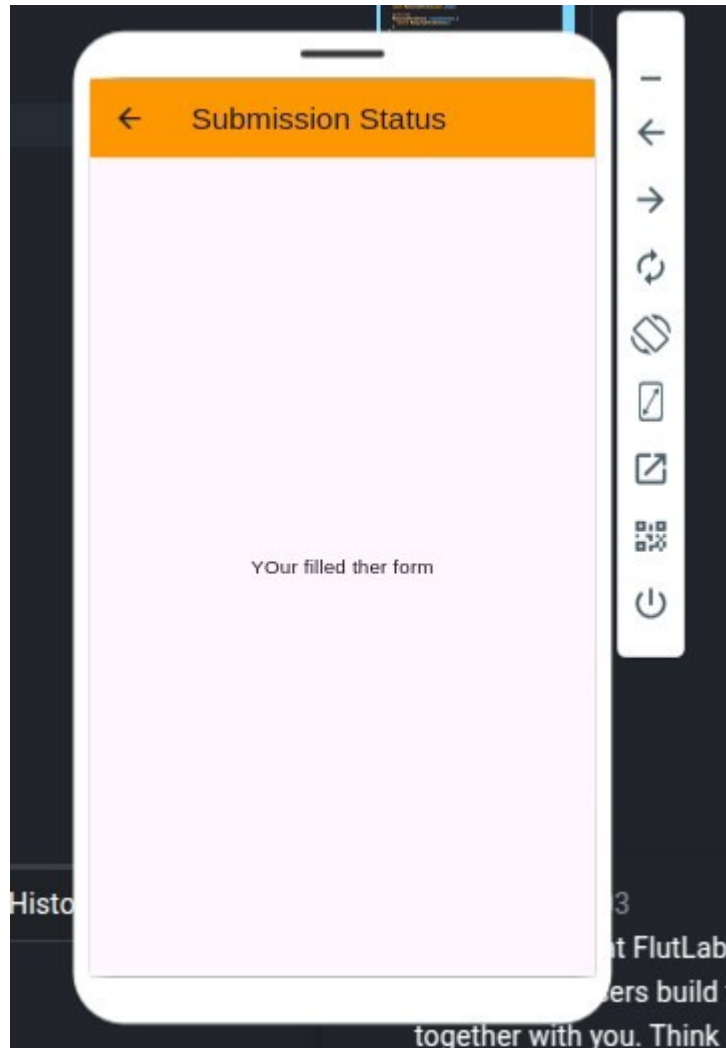
Submit



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Conclusion: In this experiment we have designed an interactive form by using various form widgets.