

MAD LAB EXP 4

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Div-D15A Roll-11

AIM : To create an interactive Form using a form widget

Code-

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

```
void main() {  
  runApp(MyApp());  
}
```

```
class MyApp extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return MaterialApp(  
      home: Scaffold(  
        appBar: AppBar(  
          title: Text('Interactive Form'),  
        ),  
        body: MyForm(),  
      ),  
    );  
  }  
}
```

```
class MyForm extends StatefulWidget {  
  @override  
  _MyFormState createState() => _MyFormState();  
}
```

```
class _MyFormState extends State<MyForm> {  
  final _formKey = GlobalKey<FormState>();  
  String _name = '';
```

```
String __email = '';
String __selectedGender = 'Male';
bool __subscribeToNewsletter = false;
```

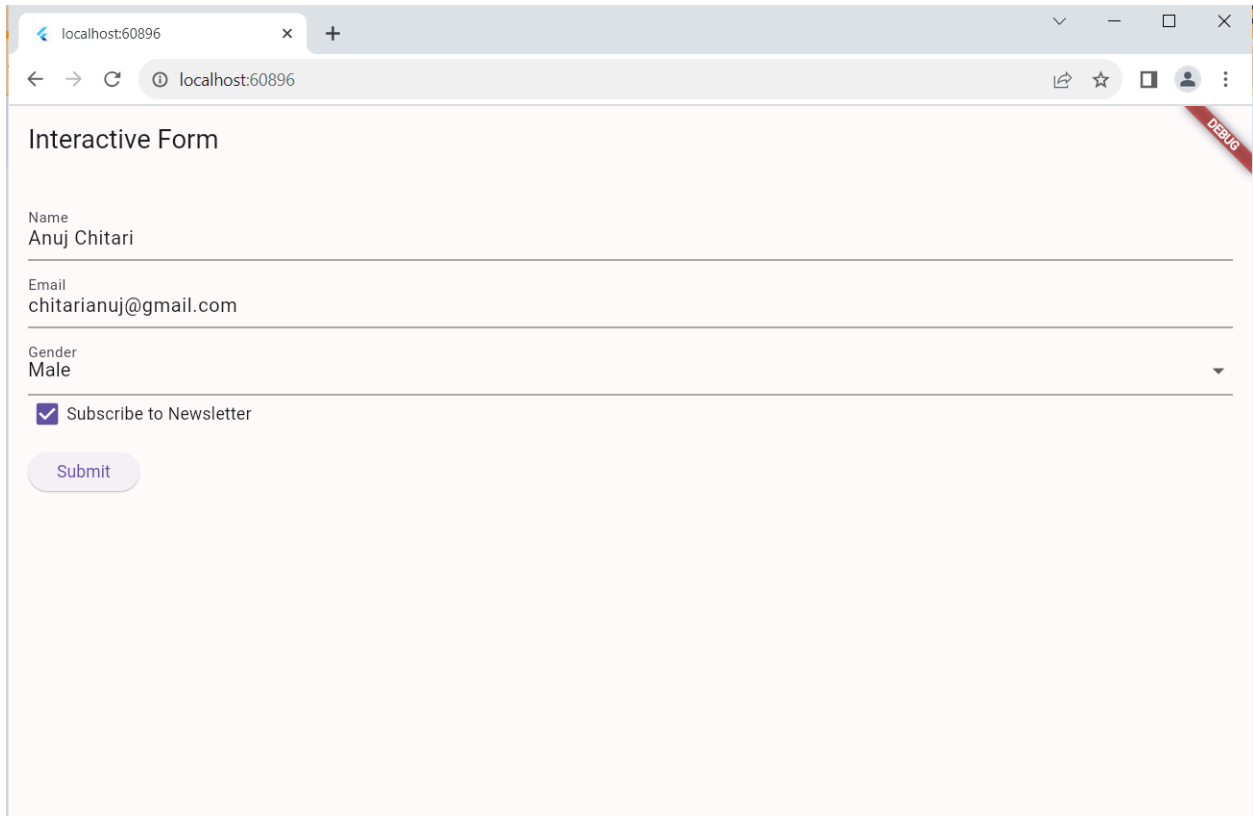
```
@override
Widget build(BuildContext context) {
  return Padding(
    padding: const EdgeInsets.all(16.0),
    child: Form(
      key: __formKey,
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.start,
        children: [
          TextFormField(
            decoration: InputDecoration(labelText: 'Name'),
            validator: (value) {
              if (value == null || value.isEmpty) {
                return 'Please enter your name';
              }
              return null;
            },
            onSaved: (value) {
              __name = value!;
            },
          ),
          TextFormField(
            decoration: InputDecoration(labelText: 'Email'),
            validator: (value) {
              if (value == null || value.isEmpty || !value.contains('@')) {
                return 'Please enter a valid email address';
              }
              return null;
            },
            onSaved: (value) {
              __email = value!;
            },
          ),
          DropdownButtonFormField<String>(
            value: __selectedGender,
```

```

items: ['Male', 'Female', 'Other']
  .map((gender) => DropdownMenuItem(
    value: gender,
    child: Text(gender),
  ))
  .toList(),
onChanged: (value) {
  setState(() {
    __selectedGender = value!;
  });
},
decoration: InputDecoration(labelText: 'Gender'),
),
Row(
  children: [
    Checkbox(
      value: __subscribeToNewsletter,
      onChanged: (value) {
        setState(() {
          __subscribeToNewsletter = value ?? false;
        });
      },
    ),
    Text('Subscribe to Newsletter'),
  ],
),
 SizedBox(height: 16),
 ElevatedButton(
  onPressed: () {
    if (__formKey.currentState!.validate()) {
      __formKey.currentState!.save();
      // Process the form data, e.g., send it to a server
      print('Name: $__name');
      print('Email: $__email');
      print('Gender: $__selectedGender');
      print('Subscribe to Newsletter: $__subscribeToNewsletter');
    }
  },
  child: Text('Submit'),
),

```

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



localhost:60896

Interactive Form

Name
Anuj Chitari

Email
chitarianuj@gmail.com

Gender
Male

☒ Subscribe to Newsletter

Submit



Console

This app is linked to the debug service: ws://127.0.0.1:60981/8j1Ddg2p0VM=/ws
Debug service listening on ws://127.0.0.1:60981/8j1Ddg2p0VM=/ws
Debug service listening on ws://127.0.0.1:60981/8j1Ddg2p0VM=/ws
Name: Anuj Chitari
Email: chitarianuj@gmail.com
Gender: Male
Subscribe to Newsletter: true
Name: Anuj Chitari

4flut > lib > main.dart