



<b>Experiment</b>	2
<b>Aim</b>	Create Dynamic Registration form
<b>Objective</b>	To Create Dynamic Registration form using UI components and Scaffold elements.
<b>Name</b>	Abhijit Khambekar
<b>UCID</b>	2024510027
<b>Class</b>	FYMCA
<b>Batch</b>	D
<b>Date of Submission</b>	
<b>Technology used</b>	Visual Studio Code
<b>Task</b>	Create Dynamic Webpage for submitting review for movie app along with giving ratings for the same. The webpage should include, name, surname, date of birth, address, email id, phone number, gender, review and ratings for the movie in terms of stars/smiley etc. include validation. The information should be fetched and displayed on the next page for viewing it. Use snackbar, alert dialog box, try adding fan button (static) etc.
<b>Code with proper label</b>	<pre>import 'package:flutter/material.dart';  void main() {   runApp(MovieReviewApp()); }  class MovieReviewApp extends StatelessWidget {   @override   Widget build(BuildContext context) {     return MaterialApp(       debugShowCheckedModeBanner: false,</pre>



```
        home: MovieReviewForm(),
    );
}
}

class MovieReviewForm extends StatefulWidget {
    @override
    _MovieReviewFormState createState() => _MovieReviewFormState();
}

class _MovieReviewFormState extends State<MovieReviewForm> {
    final _formKey = GlobalKey<FormState>();
    final TextEditingController _nameController = TextEditingController();
    final TextEditingController _surnameController =
    TextEditingController();
    final TextEditingController _dobController = TextEditingController();
    final TextEditingController _addressController = TextEditingController();
    final TextEditingController _emailController = TextEditingController();
    final TextEditingController _phoneController = TextEditingController();
    final TextEditingController _reviewController = TextEditingController();
    String _gender = "";
    double _rating = 0;

    void _submitForm() {
        if (_formKey.currentState!.validate() && _gender.isNotEmpty) {
            ScaffoldMessenger.of(context).showSnackBar(
                SnackBar(content: Text('Review Submitted Successfully!')),
            );
        }
    }
}
```



```
Navigator.push(
  context,
  MaterialPageRoute(
    builder: (context) => ReviewDetails(
      name: _nameController.text,
      surname: _surnameController.text,
      dob: _dobController.text,
      address: _addressController.text,
      email: _emailController.text,
      phone: _phoneController.text,
      gender: _gender,
      review: _reviewController.text,
      rating: _rating,
    ),
  ),
);
} else {
  showDialog(
    context: context,
    builder: (context) => AlertDialog(
      title: Text('Error'),
      content: Text('Please fill in all fields before submitting.'),
      actions: [
        TextButton(
          onPressed: () => Navigator.pop(context),
          child: Text('OK'),
        ),
      ],
    ),
  );
}
```



```
),  
);  
}  
}  
  
@override  
Widget build(BuildContext context) {  
  return Scaffold(  
    appBar: AppBar(title: Text('Movie Review')),  
    body: Padding(  
      padding: const EdgeInsets.all(16.0),  
      child: Form(  
        key: _formKey,  
        child: SingleChildScrollView(  
          child: Column(  
            mainAxisAlignment: MainAxisAlignment.center,  
            crossAxisAlignment: CrossAxisAlignment.center,  
            children: [  
              TextFormField(  
                controller: _nameController,  
                decoration: InputDecoration(labelText: 'Name'),  
                validator: (value) => value!.isEmpty ? 'Enter Name' : null,  
              ),  
              TextFormField(  
                controller: _surnameController,  
                decoration: InputDecoration(labelText: 'Surname'),  
                validator: (value) => value!.isEmpty ? 'Enter Surname' : null,  
              ),  
            ],  
          ),  
        ),  
      ),  
    ),  
  );  
}
```



	<pre>TextFormField(   controller: _dobController,   decoration: InputDecoration(labelText: 'Date of Birth'),   validator: (value) =&gt; value!.isEmpty ? 'Enter DOB' : null, ) TextFormField(   controller: _addressController,   decoration: InputDecoration(labelText: 'Address'),   validator: (value) =&gt; value!.isEmpty ? 'Enter Address' : null, ) TextFormField(   controller: _emailController,   decoration: InputDecoration(labelText: 'Email'),   validator: (value) =&gt; value!.contains('@') ? null : 'Enter valid Email', ) TextFormField(   controller: _phoneController,   decoration: InputDecoration(labelText: 'Phone Number'),   keyboardType: TextInputType.phone,   validator: (value) =&gt; value!.length == 10 ? null : 'Enter valid 10- digit Phone Number', ) Row(   mainAxisAlignment: MainAxisAlignment.center,   children: [     Text('Gender: '),     Radio( </pre>
--	--



```
        value: 'Male',
        groupValue: _gender,
        onChanged: (value) => setState(() => _gender =
value.toString()),
      ),
      Text('Male'),
      Radio(
        value: 'Female',
        groupValue: _gender,
        onChanged: (value) => setState(() => _gender =
value.toString()),
      ),
      Text('Female'),
    ],
  ),
  TextFormField(
    controller: _reviewController,
    decoration: InputDecoration(labelText: 'Review'),
    validator: (value) => value!.isEmpty ? 'Enter Review' : null,
  ),
  Slider(
    value: _rating,
    min: 0,
    max: 5,
    divisions: 5,
    label: _rating.toString(),
    onChanged: (value) => setState(() => _rating = value),
  ),
```



```
ElevatedButton(  
    onPressed: _submitForm,  
    child: Text('Submit Review'),  
),  
SizedBox(height: 20),  
ElevatedButton(  
    onPressed: () {},  
    child: Text('Fan Button'),  
),  
],  
),  
),  
),  
),  
),  
);  
}  
}  
  
class ReviewDetails extends StatelessWidget {  
    final String name, surname, dob, address, email, phone, gender, review;  
    final double rating;  
  
    ReviewDetails({  
        required this.name,  
        required this.surname,  
        required this.dob,  
        required this.address,  
        required this.email,
```



```
required this.phone,  
required this.gender,  
required this.review,  
required this.rating,  
});  
  
@override  
Widget build(BuildContext context) {  
  return Scaffold(  
    appBar: AppBar(title: Text('Review Details of Customers', style:  
TextStyle(fontSize: 24, fontWeight: FontWeight.bold))),  
    body: Padding(  
      padding: const EdgeInsets.all(16.0),  
      child: Column(  
        mainAxisAlignment: MainAxisAlignment.center,  
        crossAxisAlignment: CrossAxisAlignment.center,  
        children: [  
          Text('Name: $name'),  
          Text('Surname: $surname'),  
          Text('DOB: $dob'),  
          Text('Address: $address'),  
          Text('Email: $email'),  
          Text('Phone: $phone'),  
          Text('Gender: $gender'),  
          Text('Review: $review'),  
          Text('Rating: $rating Stars'),  
        ],  
      ),  
    ),  
  );  
}
```





**Bharatiya Vidya Bhavan's**  
**SARDAR PATEL INSTITUTE OF TECHNOLOGY**  
(Autonomous Institute Affiliated to University of Mumbai) Munshi Nagar, Andheri (W), Mumbai  
– 400 058. Department of Computer Science and Engineering

	), ); } }
--	--------------------



## Screenshots

### Movie Review

Name

---

Surname

---

Date of Birth

---

Address

---

Email

---

Phone Number

---

Gender: ☐ Male ☐ Female

Review

---



Submit Review

Fan Button



## Movie Review

Name

Enter Name

Surname

Enter Surname

Date of Birth

Enter DOB

Address

Enter Address

Email

Enter Email

Phone

Enter valid 10-digit Phone Number

Gender:

☐ Male

☐ Female

Review

Enter Review

Submit Review

Fan Button

Error

Please fill in all fields before submitting.

OK



## Movie Review

Name

abhijit

Enter Name

Surname

khambekar

Enter Surname

Date of Birth

20/06/2000

Enter DOB

Address

ddasd

Enter Address

Email

test@ok.com

Enter valid Email

Phone Number

7584685923

Enter valid 10-digit Phone Number

Gender: ☒ Male ☐ Female

Review

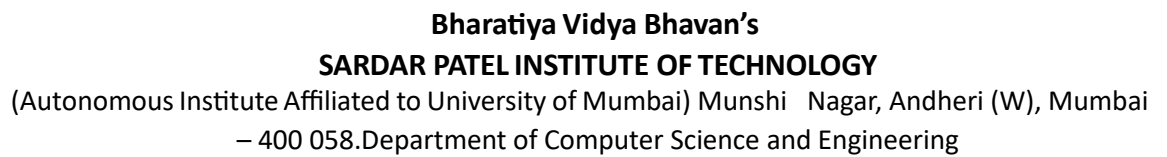
Awesome


Enter Review



Submit Review

Fan Button



	<div data-bbox="441 212 1079 1501"><div data-bbox="474 245 953 285"> <b>Review Details of Customers</b></div><div data-bbox="467 336 701 648"><p>Name: abhijit Surname: khambekar DOB: 20/06/2000 Address: fsdfs Email: test@ok.com Phone: 7584685932 Gender: Male Review: test Rating: 0 Stars</p></div></div>
<b>Question and Answers</b>	<p>Answer the following Questions:</p> <p>1. How to create snackbar? Which component of flutter it belongs to?</p> <p>Solu: A snackbar can be created using: <code>ScaffoldMessenger.of(context).showSnackBar(SnackBar(content: Text('Message')));</code></p> <p>It belongs to the Material Design components in Flutter.</p>



**Bharatiya Vidya Bhavan's**  
**SARDAR PATEL INSTITUTE OF TECHNOLOGY**

(Autonomous Institute Affiliated to University of Mumbai) Munshi Nagar, Andheri (W), Mumbai  
– 400 058. Department of Computer Science and Engineering

	<p>2. How to give validation to any field in flutter?</p> <p>Solu: Use the Form widget along with a TextFormField and specify a validator function. The function checks the input and returns an error message if validation fails.</p> <p>3. How to navigate from one page to another.</p> <p>Solu: Use</p> <pre>Navigator.push(context, MaterialPageRoute(builder: (context) =&gt; NewPage()));</pre> <p>to navigate to another page.</p> <p>Use</p> <pre>Navigator.pop(context);</pre> <p>to go back.</p> <p>4. How are values of variables fetched in flutter.</p> <p>Solu: Variable values can be fetched using state management techniques like setState, Provider, Riverpod, or by directly accessing variables if within the same scope.</p>
<b>Conclusion</b>	Learned and Understood the concept of Snackbar and created a movie review form which fetches data and displays it.