

## FLUTTER

### TASK-2

#### Application-Oriented Task: User Registration Page

Design and implement a User Registration Page for a mobile application using Flutter.

#### Requirements:

1. The page should allow users to enter their details through three input fields:
  - o Full Name
  - o Email Address
  - o Password (hidden while typing).
2. A "Register" button should be provided at the bottom of the form.
3. On clicking the button:
  - o If all fields are filled, show a SnackBar message: "Welcome, <Name>!

#### Registration Successful."

- o If any field is left empty, show a SnackBar message: "Please fill in all fields."
4. Ensure the form is visually neat, using proper alignment, padding and labels.

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Interactive Registration',
      debugShowCheckedModeBanner: false,
      theme: ThemeData(
        primarySwatch: Colors.blue,
        visualDensity: VisualDensity.adaptivePlatformDensity,
```

```

    ),
    home: RegistrationPage(),
  );
}
}
class RegistrationPage extends StatefulWidget {
  @override
  _RegistrationPageState createState() => _RegistrationPageState();
}
class _RegistrationPageState extends State<RegistrationPage> {
  final _fullNameController = TextEditingController();
  final _emailController = TextEditingController();
  final _passwordController = TextEditingController();
  void _registerUser() {
    String name = _fullNameController.text.trim();
    String email = _emailController.text.trim();
    String password = _passwordController.text.trim();
    if (name.isEmpty || email.isEmpty || password.isEmpty) {
      ScaffoldMessenger.of(context).showSnackBar(
        SnackBar(
          content: Row(
            children: [
              Icon(Icons.error, color: Colors.white),
              SizedBox(width: 10),
              Text("Please fill in all fields."),
            ],
          ),
          backgroundColor: Colors.redAccent,
        ),
      );
    }
  }
}

```

```

} else {
  ScaffoldMessenger.of(context).showSnackBar(
    SnackBar(
      content: Row(
        children: [
          Icon(Icons.check_circle, color: Colors.white),
          SizedBox(width: 10),
          Text("Welcome, $name! Registration Successful."),
        ],
      ),
      backgroundColor: Colors.green,
    ),
  );
  _fullNameController.clear();
  _emailController.clear();
  _passwordController.clear();
}
}@override
Widget build(BuildContext context) {
  return Scaffold(
    body: Container(
      decoration: BoxDecoration(
        gradient: LinearGradient(
          colors: [Colors.blue.shade400, Colors.purple.shade400],
          begin: Alignment.topLeft,
          end: Alignment.bottomRight,
        ),
      ),
    ),
    child: Center(

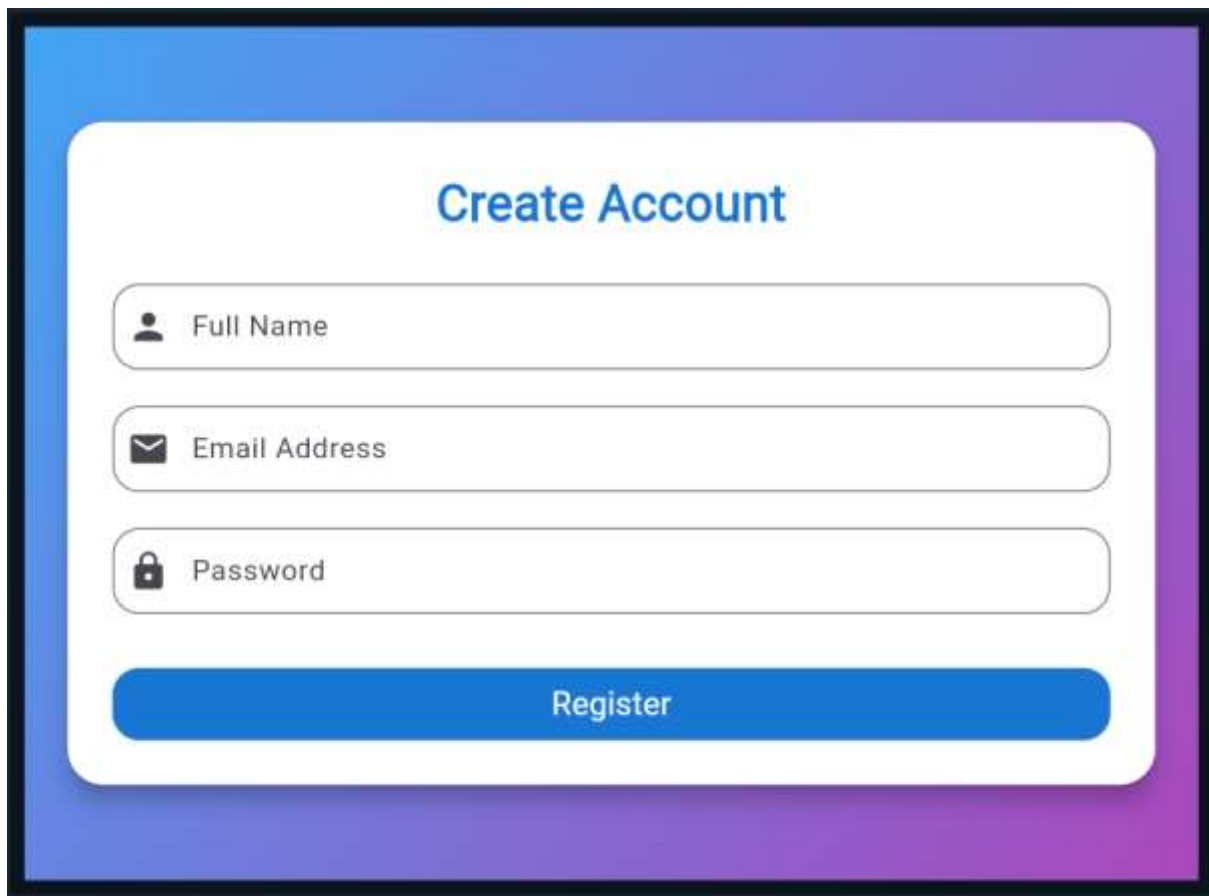
```

```
child: SingleChildScrollView(
  padding: EdgeInsets.all(20),
  child: Card(
    shape: RoundedRectangleBorder(
      borderRadius: BorderRadius.circular(20)),
    elevation: 10,
    color: Colors.white,
    child: Padding(
      padding: EdgeInsets.all(25),
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.stretch,
        children: [
          Text(
            'Create Account',
            style: TextStyle(
              fontSize: 28,
              fontWeight: FontWeight.bold,
              color: Colors.blue.shade700,
            ),
            textAlign: TextAlign.center,
          ),
          SizedBox(height: 25),
          TextField(
            controller: _fullNameController,
            decoration: InputDecoration(
              labelText: 'Full Name',
              border: OutlineInputBorder(
                borderRadius: BorderRadius.circular(15),
              ),
            ),
          ),
        ],
      ),
    ),
  ),
),
```

```
        prefixIcon: Icon(Icons.person),
      ),
    ),
    SizedBox(height: 20),
    TextField(
      controller: _emailController,
      keyboardType: TextInputType.emailAddress,
      decoration: InputDecoration(
        labelText: 'Email Address',
        border: OutlineInputBorder(
          borderRadius: BorderRadius.circular(15),
        ),
        prefixIcon: Icon(Icons.email),
      ),
    ),
    SizedBox(height: 20),
    TextField(
      controller: _passwordController,
      obscureText: true,
      decoration: InputDecoration(
        labelText: 'Password',
        border: OutlineInputBorder(
          borderRadius: BorderRadius.circular(15),
        ),
        prefixIcon: Icon(Icons.lock),
      ),
    ),
    SizedBox(height: 30),
    ElevatedButton(
```


```
    onPressed: _registerUser,
    style: ElevatedButton.styleFrom(
      padding: EdgeInsets.symmetric(vertical: 15),
      shape: RoundedRectangleBorder(
        borderRadius: BorderRadius.circular(15)),
      backgroundColor: Colors.blue.shade700,
    ),
    child: Text(
      'Register',
      style: TextStyle(fontSize: 18, color: Colors.white),
    ),
  ),
],
),
),
),
),
),
),
),
),
),
);
}
```


**OUTPUT:**




The image shows a 'Create Account' registration form. It is set against a background with a blue-to-purple gradient. The form itself is a white rounded rectangle with a subtle drop shadow. At the top of the form, the title 'Create Account' is centered in a blue font. Below the title are three input fields, each with a small icon on the left: a person icon for 'Full Name', an envelope icon for 'Email Address', and a padlock icon for 'Password'. The text labels are in a grey font. At the bottom of the form is a solid blue button with the word 'Register' in white text.

## Create Account


 Full Name


 Email Address


 Password

Register


## Create Account

 Full Name


 Email Address


 Password


Register

 Please fill in all fields.


## Create Account

 Full Name

 Email Address

 Password

Register

 Welcome, durga! Registration Successful.

Github link: <https://github.com/KanagaDurga-code/Flutter>