MAD PWA EXPERIMENT-04

AIM:To create an interactive form using form widget
CODE:
Sign_up page.dart

```dart
import 'package:flutter/material.dart';
class SignupPage extends StatelessWidget {
 @override
 Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
     title: Text('Signup'),
    ),
    body: SignupForm(),
  );
 }
}

class SignupForm extends StatefulWidget {
 @override
 _SignupFormState createState() => _SignupFormState();
}

class _SignupFormState extends State<SignupForm> {
 final _formKey = GlobalKey<FormState>();
 String _email = '';
 String _password = '';
 String _username = '';

 void _submitForm() {
  if (_formKey.currentState!.validate()) {
   // Form is valid, submit data to authentication service
   // Example: Firebase Authentication
   // authService.signup(email, password, username);
   // After signup success, navigate to the home page
   Navigator.pushReplacementNamed(context, '/home');
  }
 }

 @override
 Widget build(BuildContext context) {
  return Padding(
    padding: EdgeInsets.all(16.0),
```

```dart
child: Form(
  key: _formKey,
  child: Column(
    crossAxisAlignment: CrossAxisAlignment.stretch,
    children: <Widget>[
      TextFormField(
        decoration: InputDecoration(labelText: 'Email'),
        validator: (value) {
          if (value!.isEmpty) {
            return 'Please enter your email';
          }
          return null;
        },
        onChanged: (value) => _email = value,
      ),
      TextFormField(
        decoration: InputDecoration(labelText: 'Password'),
        obscureText: true,
        validator: (value) {
          if (value!.isEmpty) {
            return 'Please enter your password';
          }
          return null;
        },
        onChanged: (value) => _password = value,
      ),
      TextFormField(
        decoration: InputDecoration(labelText: 'Username'),
        validator: (value) {
          if (value!.isEmpty) {
            return 'Please enter your username';
          }
          return null;
        },
        onChanged: (value) => _username = value,
      ),
      SizedBox(height: 16.0),
      ElevatedButton(
        onPressed: _submitForm,
        child: Text('Signup'),
      ),
    ],
  ),
),
```
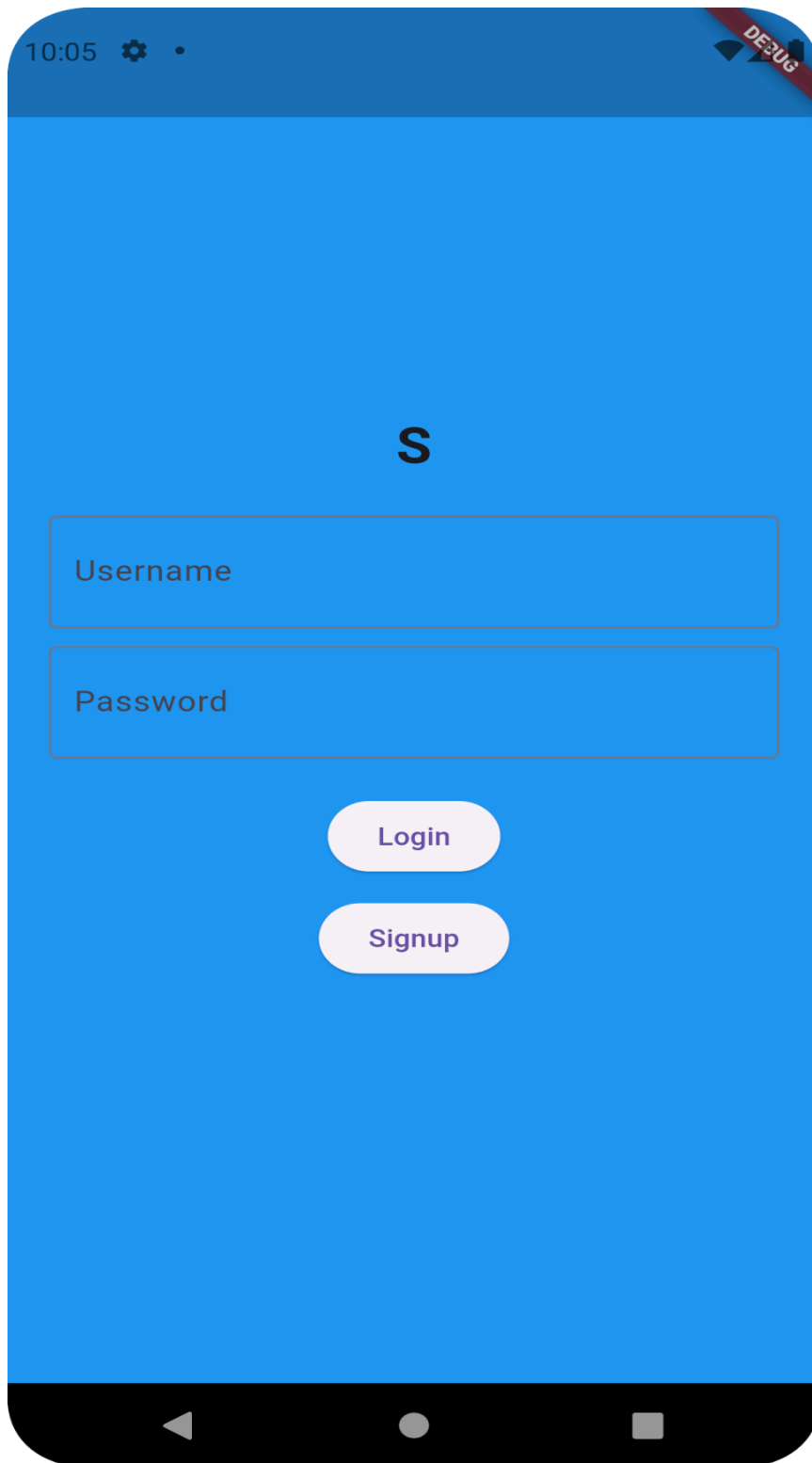
```
  );
 }
}
```

Main.dart

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

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

class MyApp extends StatelessWidget {
 @override
 Widget build(BuildContext context) {
  return MaterialApp(
   title: 'Skype',
   theme: ThemeData(
    primarySwatch: Colors.blue,
    visualDensity: VisualDensity.adaptivePlatformDensity,
   ),
   home: LoginPage(),
  );
 }
}
```

OUTPUT:

Signup

Email

_____

Password

_____

Username

_____

Signup