

**EX-4: Develop a Mobile Application for implementing login credentials with appropriate Toast Message**

**PROGRAM:**

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

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

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

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: LoginPage(),
    );
  }
}

class LoginPage extends StatefulWidget {
  @override
  State<LoginPage> createState() => _LoginPageState();
}

class _LoginPageState extends State<LoginPage> {
  final TextEditingController usernameController = TextEditingController();
  final TextEditingController passwordController = TextEditingController();

  void loginCheck() {
    String username = usernameController.text;
    String password = passwordController.text;
    if (username == "admin" && password == "1234") {
      // SUCCESS Snackbar
      ScaffoldMessenger.of(context).showSnackBar(

```

```
SnackBar(  
    content: Text("Login Successful ✅"),  
    backgroundColor: Colors.green,  
    duration: Duration(seconds: 2),  
,  
);  
}  
} else {  
// ERROR Snackbar  
ScaffoldMessenger.of(context).showSnackBar(  
SnackBar(  
content: Text("Invalid Username or Password ❌"),  
backgroundColor: Colors.red,  
duration: Duration(seconds: 2),  
,  
);  
}  
}  
}
```

```
@override  
Widget build(BuildContext context) {  
return Scaffold(  
appBar: AppBar(  
title: Text("Login Page"),  
backgroundColor: Colors.blue,  
,  
body: Padding(  
padding: const EdgeInsets.all(20.0),  
child: Column(  
mainAxisAlignment: MainAxisAlignment.center,  
children: [  
TextField(  

```

```
        controller: usernameController,  
        decoration: InputDecoration(  
            labelText: "Username",  
            border: OutlineInputBorder(),  
        ),  
    ),  
    SizedBox(height: 15),  
    TextField(  
        controller: passwordController,  
        obscureText: true,  
        decoration: InputDecoration(  
            labelText: "Password",  
            border: OutlineInputBorder(),  
        ),  
    ),  
    SizedBox(height: 25),  
    ElevatedButton(  
        onPressed: loginCheck,  
        child: Text("Login"),  
    ),  
],  
),  
);  
}  
}
```

**OUTPUT:**

Login Page

Username

Password

Login

## Login Page

Username —

Password —

**Login**

## Login Page

Username —————

Password —————

**Login**

Login Successful ✓

## Login Page

Username —

admin

Password —

\*\*\*\*\*

**Login**

Invalid Username or Password 