

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

admin

Password

....

Login

Login Page

Username

admin

Password

....

Login

Login Successful ✓

Login Page

Username

admin

Password

.....

Login

Invalid Username or Password ✕