

Assignment 8 Task 8

Navigation

(I performed it on the login page I had created last time to make it more aesthetically pleasing)

Main.dart

```
//main.dart
import 'package:flutter/material.dart';
import 'homePage.dart'; // Import the HomePage widget
import 'valid.dart';
import 'invalid.dart';

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      initialRoute: '/home', // Set the initial route
      routes: {
        '/home': (context) => homePage(),
        '/valid': (context) => valid(),
        '/invalid': (context) => invalid(),
      },
    );
  }
}
```

Homepage.dart

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

class homePage extends StatefulWidget {
  @override
  _homePageState createState() => _homePageState();
}

class _homePageState extends State<homePage> {
  final nmController = TextEditingController();
  final pwdController = TextEditingController();
  String _usrAuth = '';

  void _authenticateUser(String message) {
    if (nmController.text == 'a' && pwdController.text == 'b') {
      // Valid login
      Navigator.pushNamed(context, '/valid');
    }
  }
}
```

```

    } else {
      // Invalid login
      Navigator.pushNamed(context, '/invalid');
    }
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Login Page'),
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            Text(
              'Login',
              style: TextStyle(
                color: Colors.blue,
                fontWeight: FontWeight.w500,
                fontSize: 30,
              ),
            ),
            Container(
              padding: const EdgeInsets.all(10),
              child: TextField(
                controller: nmController,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  labelText: 'User Name',
                ),
              ),
            ),
            Container(
              padding: const EdgeInsets.all(10),
              child: TextField(
                controller: pwdController,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  labelText: 'Password',
                ),
                obscureText: true, // Use a password field
              ),
            ),
            Container(
              height: 50,
              padding: const EdgeInsets.fromLTRB(10, 0, 10, 0),
              child: ElevatedButton(
                child: Text('Login'),
                onPressed: () {
                  _authenticateUser("Valid User");
                },
              ),
            ),
            Text(
              '$_usrAuth',

```

```

        style: TextStyle(
          color: Colors.blue,
          fontWeight: FontWeight.w500,
          fontSize: 20,
        ),
      ),
    ],
  ),
);
}
}

```

valid.dart

```

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

class valid extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Valid Page'),
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            Icon(
              Icons.check_circle,
              size: 100,
              color: Colors.green,
            ),
            SizedBox(height: 20),
            Text(
              'You are logged in as a valid user.',
              style: TextStyle(
                fontSize: 18,
                fontWeight: FontWeight.bold,
              ),
            ),
          ],
        ),
      ),
    );
  }
}

```

Invalid.dart

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

class Invalid extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Invalid Page'),
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            Icon(
              Icons.cancel,
              size: 100,
              color: Colors.red,
            ),
            SizedBox(height: 20),
            Text(
              'Invalid login. Please try again.',
              style: TextStyle(
                fontSize: 18,
                fontWeight: FontWeight.bold,
              ),
            ),
            SizedBox(height: 20),
            ElevatedButton(
              onPressed: () {
                // Navigate back to the HomePage
                Navigator.pushReplacementNamed(context, '/home');
              },
              child: Text(
                'Go Back',
                style: TextStyle(
                  fontSize: 16,
                ),
              ),
            ),
          ],
        ),
      ),
    );
  }
}
```

Output

