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,  
 ),  
 ),  
 ),  
 ],  
 ),  
 ),  
 );  
 }  
}

A screenshot of a computer

Description automatically generatedA screenshot of a login screen

Description automatically generated**Output**

A screenshot of a phone

Description automatically generated