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# Experiment 02 : To design Flutter UI by including common widgets.

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

# import 'package:shared\_preferences/shared\_preferences.dart';

# import 'home\_screen.dart';

# import 'signup\_screen.dart';

# class LoginPage extends StatefulWidget {

# @override

# \_LoginPageState createState() => \_LoginPageState();

# }

# class \_LoginPageState extends State<LoginPage> {

# final TextEditingController emailController = TextEditingController();

# final TextEditingController passwordController = TextEditingController();

# bool isPasswordVisible = false;

# String? errorMessage;

# Future<void> \_login() async {

# SharedPreferences prefs = await SharedPreferences.getInstance();

# String? savedEmail = prefs.getString('user\_email');

# String? savedPassword = prefs.getString('user\_password');

# if (emailController.text == savedEmail &&

# passwordController.text == savedPassword) {

# await prefs.setBool('is\_logged\_in', true);

# Navigator.pushReplacement(

# context,

# MaterialPageRoute(builder: (context) => NewsHomePage()),

# );

# } else {

# setState(() {

# errorMessage = 'Invalid credentials';

# });

# }

# }

# @override

# Widget build(BuildContext context) {

# return Scaffold(

# appBar: AppBar(

# title: Text("Login"),

# backgroundColor: Colors.blueAccent,

# leading: IconButton(

# icon: Icon(Icons.arrow\_back),

# onPressed: () => Navigator.pop(context),

# ),

# ),

# body: Center(

# child: Container(

# padding: EdgeInsets.all(20),

# margin: EdgeInsets.symmetric(horizontal: 30),

# decoration: BoxDecoration(

# color: Colors.white,

# borderRadius: BorderRadius.circular(10),

# boxShadow: [BoxShadow(color: Colors.grey, blurRadius: 5, spreadRadius: 1)],

# ),

# child: Column(

# mainAxisSize: MainAxisSize.min,

# children: [

# Text("Login", style: TextStyle(fontSize: 28, fontWeight: FontWeight.bold, color: Colors.blueAccent)),

# SizedBox(height: 20),

# TextField(

# controller: emailController,

# decoration: InputDecoration(

# labelText: "Email",

# border: OutlineInputBorder(borderRadius: BorderRadius.circular(10)),

# prefixIcon: Icon(Icons.email),

# ),

# ),

# SizedBox(height: 15),

# TextField(

# controller: passwordController,

# obscureText: !isPasswordVisible,

# decoration: InputDecoration(

# labelText: "Password",

# border: OutlineInputBorder(borderRadius: BorderRadius.circular(10)),

# prefixIcon: Icon(Icons.lock),

# suffixIcon: IconButton(

# icon: Icon(isPasswordVisible ? Icons.visibility : Icons.visibility\_off),

# onPressed: () => setState(() => isPasswordVisible = !isPasswordVisible),

# ),

# ),

# ),

# if (errorMessage != null) Padding(

# padding: EdgeInsets.only(top: 10),

# child: Text(errorMessage!, style: TextStyle(color: Colors.red)),

# ),

# SizedBox(height: 20),

# ElevatedButton(

# onPressed: \_login,

# style: ElevatedButton.styleFrom(

# backgroundColor: Colors.blueAccent,

# shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(10)),

# padding: EdgeInsets.symmetric(horizontal: 40, vertical: 12),

# ),

# child: Text("Login", style: TextStyle(fontSize: 16, color: Colors.white)),

# ),

# SizedBox(height: 10),

# TextButton(

# onPressed: () => Navigator.push(context, MaterialPageRoute(builder: (context) => SignupPage())),

# child: Text("Don't have an account? Sign up", style: TextStyle(color: Colors.blueAccent)),

# ),

# ],

# ),

# ),

# ),

# );

# }

# } OUTPUT :

# Usage of Widgets:

* Widgets like Row, Column, SizedBox, ElevatedButton, and Align are used to structure the UI.
* The SafeArea widget ensures that content is displayed within the safe area of the screen.
* The SingleChildScrollView widget allows scrolling when the content overflows the screen

**List of Widgets** Flutter Scaffold Flutter Container Flutter Row & Column Flutter Text

Flutter TextField Flutter Buttons Flutter Stack Flutter Forms Flutter AlertDialog Flutter Icons Flutter Images Flutter Card Flutter Tabbar Flutter Drawer Flutter Lists Flutter GridView Flutter Toast Flutter Checkbox

Flutter Radio Button Flutter Progress Bar Flutter Snackbar Flutter Tooltip Flutter Slider

Flutter Switch Flutter Charts

Bottom Navigation Bar Flutter Themes

Flutter Table Flutter Calendar Flutter Animation