**Code of SkillSwap**

import React, { useState } from "react";

import {

  SafeAreaView,

  View,

  Text,

  TextInput,

  TouchableOpacity,

  ScrollView,

  StyleSheet,

  KeyboardAvoidingView,

  Platform,

} from "react-native";

const BLUE = "#007BFF";

const WHITE = "#FFFFFF";

export default function App() {

  const [screen, setScreen] = useState("login");

  const [authEmail, setAuthEmail] = useState("");

  const [authPassword, setAuthPassword] = useState("");

  const [user, setUser] = useState(null);

*// --- Fake Auth Functions ---*

  const handleLogin = () => {

    if (authEmail && authPassword) {

      setUser({ email: authEmail });

      setScreen("home");

    } else {

      alert("Enter email & password!");

    }

  };

  const handleSignup = () => {

    if (authEmail && authPassword) {

      setUser({ email: authEmail });

      setScreen("home");

    } else {

      alert("Enter email & password!");

    }

  };

  const handleLogout = () => {

    setUser(null);

    setAuthEmail("");

    setAuthPassword("");

    setScreen("login");

  };

*// --- Common Page Wrapper ---*

  const commonPageWrapper = (title, subtitle, children) => (

    <SafeAreaView style={[styles.container, { backgroundColor: "#F0F8FF" }]}>

      <KeyboardAvoidingView

        behavior={Platform.OS === "ios" ? "padding" : "height"}

        style={{ flex: 1 }}

      >

        <ScrollView contentContainerStyle={styles.centered}>

          <View style={[styles.card, { alignItems: "center", backgroundColor: WHITE }]}>

            <Text style={{ fontSize: 28, fontWeight: "900", color: BLUE, marginBottom: 8 }}>

              {title}

            </Text>

            <Text style={{ fontSize: 16, fontWeight: "600", color: "#444", marginBottom: 20, textAlign: "center" }}>

              {subtitle}

            </Text>

            {children}

            {*/\* Bottom Navigation \*/*}

            {user && (

              <View style={{ flexDirection: "row", marginTop: 30 }}>

                <TouchableOpacity style={styles.circleButton} onPress={() => setScreen("home")}>

                  <Text style={styles.circleButtonIcon}>H</Text>

                </TouchableOpacity>

                <View style={{ width: 20 }} />

                <TouchableOpacity style={styles.circleButton} onPress={() => setScreen("post")}>

                  <Text style={styles.circleButtonIcon}>P</Text>

                </TouchableOpacity>

                <View style={{ width: 20 }} />

                <TouchableOpacity style={styles.circleButton} onPress={() => setScreen("file")}>

                  <Text style={styles.circleButtonIcon}>F</Text>

                </TouchableOpacity>

                <View style={{ width: 20 }} />

                <TouchableOpacity style={styles.circleButton} onPress={() => setScreen("profile")}>

                  <Text style={styles.circleButtonIcon}>U</Text>

                </TouchableOpacity>

              </View>

            )}

          </View>

        </ScrollView>

      </KeyboardAvoidingView>

    </SafeAreaView>

  );

*// --- Screens ---*

  if (screen === "login") {

    return commonPageWrapper("Login", "Access your SkillSwap account", (

      <>

        <TextInput

          placeholder="Enter your Email"

          keyboardType="email-address"

          value={authEmail}

          onChangeText={setAuthEmail}

          style={styles.input}

          autoCapitalize="none"

        />

        <TextInput

          placeholder="Enter your Password"

          secureTextEntry

          value={authPassword}

          onChangeText={setAuthPassword}

          style={styles.input}

        />

        <TouchableOpacity style={styles.primaryButton} onPress={handleLogin}>

          <Text style={styles.primaryButtonText}>Log in</Text>

        </TouchableOpacity>

        <TouchableOpacity

          style={styles.ghostButton}

          onPress={() => setScreen("signup")}

        >

          <Text style={styles.ghostButtonText}>Go to Sign Up</Text>

        </TouchableOpacity>

      </>

    ));

  }

  if (screen === "signup") {

    return commonPageWrapper("Sign Up", "Create a new SkillSwap account", (

      <>

        <TextInput

          placeholder="Enter your Email"

          keyboardType="email-address"

          value={authEmail}

          onChangeText={setAuthEmail}

          style={styles.input}

          autoCapitalize="none"

        />

        <TextInput

          placeholder="Enter your Password"

          secureTextEntry

          value={authPassword}

          onChangeText={setAuthPassword}

          style={styles.input}

        />

        <TouchableOpacity style={styles.primaryButton} onPress={handleSignup}>

          <Text style={styles.primaryButtonText}>Sign Up</Text>

        </TouchableOpacity>

        <TouchableOpacity

          style={styles.ghostButton}

          onPress={() => setScreen("login")}

        >

          <Text style={styles.ghostButtonText}>Back to Login</Text>

        </TouchableOpacity>

      </>

    ));

  }

  if (screen === "home") {

    const posts = [

      { id: 1, author: "Ali Khan", content: "Just finished my React Native project!" },

      { id: 2, author: "Zara Ahmed", content: "Looking for someone to swap cooking lessons with coding lessons." },

      { id: 3, author: "Bilal Hussain", content: "SkillSwap is really helping me improve fast!" },

    ];

    return commonPageWrapper("Home Feed", "See what's happening around you", (

      <>

        {posts.map((post) => (

          <View key={post.id} style={styles.postCard}>

            <Text style={{ fontWeight: "700", fontSize: 16 }}>{post.author}</Text>

            <Text style={{ marginTop: 5 }}>{post.content}</Text>

          </View>

        ))}

      </>

    ));

  }

  if (screen === "post") {

    return commonPageWrapper("Create Post", "Share something with your community", (

      <>

        <TextInput

          placeholder="What's on your mind?"

          style={[styles.input, { height: 100 }]}

          multiline

        />

        <TouchableOpacity style={styles.primaryButton}>

          <Text style={styles.primaryButtonText}>Post</Text>

        </TouchableOpacity>

      </>

    ));

  }

  if (screen === "file") {

    return commonPageWrapper("Files", "Manage your uploaded files", (

      <>

        <Text>No files uploaded yet.</Text>

        <TouchableOpacity style={[styles.primaryButton, { marginTop: 15 }]}>

          <Text style={styles.primaryButtonText}>Upload File</Text>

        </TouchableOpacity>

      </>

    ));

  }

  if (screen === "profile") {

    return commonPageWrapper("Profile", "Manage your account details", (

      <>

        <Text style={{ fontSize: 18, fontWeight: "700", marginBottom: 10 }}>

          Email: {user?.email}

        </Text>

        <TouchableOpacity style={styles.primaryButton} onPress={handleLogout}>

          <Text style={styles.primaryButtonText}>Logout</Text>

        </TouchableOpacity>

      </>

    ));

  }

  return null;

}

*// --- Styles ---*

const styles = StyleSheet.create({

  container: { flex: 1 },

  centered: { flexGrow: 1, justifyContent: "center", padding: 20 },

  card: {

    padding: 20,

    borderRadius: 20,

    shadowColor: "#000",

    shadowOpacity: 0.1,

    shadowRadius: 6,

    elevation: 3,

    width: "100%",

  },

  input: {

    width: "100%",

    padding: 12,

    borderWidth: 1,

    borderColor: "#ccc",

    borderRadius: 10,

    marginBottom: 15,

    fontSize: 16,

  },

  primaryButton: {

    backgroundColor: BLUE,

    paddingVertical: 12,

    paddingHorizontal: 25,

    borderRadius: 10,

    alignItems: "center",

    width: "100%",

  },

  primaryButtonText: {

    color: WHITE,

    fontWeight: "700",

    fontSize: 16,

  },

  ghostButton: {

    marginTop: 10,

    paddingVertical: 12,

    borderRadius: 10,

    borderWidth: 1,

    borderColor: BLUE,

    alignItems: "center",

    width: "100%",

  },

  ghostButtonText: {

    color: BLUE,

    fontWeight: "700",

    fontSize: 16,

  },

  circleButton: {

    width: 50,

    height: 50,

    borderRadius: 25,

    backgroundColor: BLUE,

    justifyContent: "center",

    alignItems: "center",

  },

  circleButtonIcon: {

    color: WHITE,

    fontSize: 18,

    fontWeight: "900",

  },

  postCard: {

    backgroundColor: "#f9f9f9",

    padding: 15,

    borderRadius: 10,

    marginBottom: 15,

    width: "100%",

  },

});