**Code of SkillSwap :**

import React, { useState } from "react";

import { View, Text, TextInput, StyleSheet, TouchableOpacity, FlatList, ScrollView } from "react-native";

import { NavigationContainer } from "@react-navigation/native";

import { createNativeStackNavigator } from "@react-navigation/native-stack";

import { LinearGradient } from "expo-linear-gradient";

const Stack = createNativeStackNavigator();

*// ----------------- Dummy Data -----------------*

const dummyOffers = [

  { id: '1', title: 'Python Tutoring', user: 'Ali' },

  { id: '2', title: 'Guitar Lessons', user: 'Fatima' },

  { id: '3', title: 'Drawing Basics', user: 'Ahmed' },

  { id: '4', title: 'Yoga & Meditation', user: 'Sara' },

];

const user = {

  name: 'Your Name',

  skills: ['React Native', 'Guitar', 'Photography'],

  bio: 'A passionate developer and musician looking to share my skills with the world.',

};

*// ----------------- Custom Button -----------------*

function CustomButton({ title, onPress }) {

  return (

    <TouchableOpacity onPress={onPress}>

      <LinearGradient

        colors={['#4db6ac', '#009688']}

        style={styles.button}

        start={{ x: 0, y: 0 }}

        end={{ x: 0, y: 1 }}

      >

        <Text style={styles.buttonText}>{title}</Text>

      </LinearGradient>

    </TouchableOpacity>

  );

}

*// ----------------- Login Screen -----------------*

function LoginScreen({ navigation }) {

  const [email, setEmail] = useState('');

  const [password, setPassword] = useState('');

  const handleLogin = () => {

    console.log('Email:', email, 'Password:', password);

    navigation.navigate('HomeFeed');

  };

  return (

    <LinearGradient colors={['#b2dfdb', '#80cbc4']} style={styles.container}>

      <Text style={styles.title}>SkillSwap - Login</Text>

      <TextInput placeholder="Email" style={styles.input} value={email} onChangeText={setEmail} />

      <TextInput placeholder="Password" secureTextEntry style={styles.input} value={password} onChangeText={setPassword} />

      <CustomButton title="Login" onPress={handleLogin} />

      <CustomButton title="Go to Register" onPress={() => navigation.navigate('Register')} />

    </LinearGradient>

  );

}

*// ----------------- Register Screen -----------------*

function RegisterScreen({ navigation }) {

  const [name, setName] = useState('');

  const [email, setEmail] = useState('');

  const [password, setPassword] = useState('');

  const handleRegister = () => {

    console.log('Name:', name, 'Email:', email, 'Password:', password);

    navigation.navigate('Login');

  };

  return (

    <LinearGradient colors={['#b2dfdb', '#80cbc4']} style={styles.container}>

      <Text style={styles.title}>Create Your Account</Text>

      <TextInput placeholder="Name" style={styles.input} value={name} onChangeText={setName} />

      <TextInput placeholder="Email" style={styles.input} value={email} onChangeText={setEmail} />

      <TextInput placeholder="Password" secureTextEntry style={styles.input} value={password} onChangeText={setPassword} />

      <CustomButton title="Sign Up" onPress={handleRegister} />

      <CustomButton title="Back to Login" onPress={() => navigation.navigate('Login')} />

    </LinearGradient>

  );

}

*// ----------------- Home Feed Screen -----------------*

function HomeFeedScreen({ navigation }) {

  return (

    <LinearGradient colors={['#b2dfdb', '#80cbc4']} style={styles.container}>

      <Text style={styles.title}>Skill Offers</Text>

      <FlatList

        data={dummyOffers}

        keyExtractor={(item) => item.id}

        renderItem={({ item }) => (

          <View style={styles.card}>

            <Text style={styles.cardTitle}>{item.title}</Text>

            <Text style={styles.cardUser}>by {item.user}</Text>

          </View>

        )}

      />

      <CustomButton title="Create Post" onPress={() => navigation.navigate('CreatePost')} />

      <CustomButton title="Profile" onPress={() => navigation.navigate('Profile')} />

    </LinearGradient>

  );

}

*// ----------------- Create Post Screen -----------------*

function CreatePostScreen({ navigation }) {

  const [title, setTitle] = useState('');

  const [userName, setUserName] = useState('');

  const handlePost = () => {

    console.log('New Post:', { title, user: userName });

    setTitle('');

    setUserName('');

    navigation.navigate('HomeFeed');

  };

  return (

    <LinearGradient colors={['#b2dfdb', '#80cbc4']} style={styles.container}>

      <Text style={styles.title}>Create New Skill Offer</Text>

      <TextInput placeholder="Skill Title" style={styles.input} value={title} onChangeText={setTitle} />

      <TextInput placeholder="Your Name" style={styles.input} value={userName} onChangeText={setUserName} />

      <CustomButton title="Post" onPress={handlePost} />

    </LinearGradient>

  );

}

*// ----------------- Profile Screen -----------------*

function ProfileScreen() {

  return (

    <LinearGradient colors={['#b2dfdb', '#80cbc4']} style={styles.container}>

      <Text style={styles.title}>{user.name}'s Profile</Text>

      <Text style={styles.sectionTitle}>Skills:</Text>

      {user.skills.map((skill, index) => (

        <Text key={index} style={styles.itemText}>- {skill}</Text>

      ))}

      <Text style={styles.sectionTitle}>Bio:</Text>

      <Text style={styles.itemText}>{user.bio}</Text>

    </LinearGradient>

  );

}

*// ----------------- App -----------------*

export default function App() {

  return (

    <NavigationContainer>

      <Stack.Navigator screenOptions={{ headerShown: false }}>

        <Stack.Screen name="Login" component={LoginScreen} />

        <Stack.Screen name="Register" component={RegisterScreen} />

        <Stack.Screen name="HomeFeed" component={HomeFeedScreen} />

        <Stack.Screen name="CreatePost" component={CreatePostScreen} />

        <Stack.Screen name="Profile" component={ProfileScreen} />

      </Stack.Navigator>

    </NavigationContainer>

  );

}

*// ----------------- Styles -----------------*

const styles = StyleSheet.create({

  container: {

    flex: 1,

    justifyContent: "center",

    padding: 20,

  },

  title: {

    fontSize: 24,

    fontWeight: "bold",

    textAlign: "center",

    marginBottom: 20,

    color: "#004d40",

  },

  sectionTitle: {

    fontSize: 18,

    fontWeight: "bold",

    marginTop: 15,

    color: "#00695c",

  },

  itemText: {

    fontSize: 16,

    marginLeft: 10,

    marginTop: 5,

    color: "#004d40",

  },

  input: {

    borderWidth: 1,

    borderColor: "#ccc",

    borderRadius: 10,

    padding: 12,

    marginBottom: 15,

    backgroundColor: "#fff",

  },

  button: {

    padding: 12,

    borderRadius: 25,

    marginBottom: 15,

    alignItems: "center",

  },

  buttonText: {

    color: "#fff",

    fontSize: 16,

    fontWeight: "bold",

  },

  card: {

    backgroundColor: "#ffffffaa",

    padding: 15,

    borderRadius: 15,

    marginBottom: 10,

  },

  cardTitle: {

    fontSize: 16,

    fontWeight: "bold",

    color: "#004d40",

  },

  cardUser: {

    fontSize: 14,

    color: "#00796b",

  },

});