import React, { useState, useEffect } from 'react';

import { View, TextInput, Button, Text, AsyncStorage, StyleSheet } from 'react-native';

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

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

const Stack = createNativeStackNavigator();

const App = () => {

  return (

    <NavigationContainer>

      <Stack.Navigator>

        <Stack.Screen name="SignUp" component={SignUpScreen} />

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

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

      </Stack.Navigator>

    </NavigationContainer>

  );

};

const SignUpScreen = ({ navigation }) => {

  const [username, setUsername] = useState('');

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

  const handleSignUp = async () => {

    await AsyncStorage.setItem('username', username);

    await AsyncStorage.setItem('password', password);

    navigation.replace('Login');

  };

  return (

    <View style={styles.container}>

      <TextInput

        placeholder="Username"

        value={username}

        onChangeText={text => setUsername(text)}

        style={styles.input}

      />

      <TextInput

        placeholder="Password"

        value={password}

        onChangeText={text => setPassword(text)}

**Assignment # 04**

**Saba Bibi**

**FA20-BCS-062**

**Submitted to : Sir Kamran**

**Code:**

        secureTextEntry

        style={styles.input}

      />

      <Button title="Sign Up" onPress={handleSignUp} />

    </View>

  );

};

const LoginScreen = ({ navigation }) => {

  const [username, setUsername] = useState('');

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

  const handleLogin = async () => {

    const storedUsername = await AsyncStorage.getItem('username');

    const storedPassword = await AsyncStorage.getItem('password');

    if (username === storedUsername && password === storedPassword) {

      navigation.replace('Profile');

    } else {

      alert('Invalid username or password');

    }

  };

  return (

    <View style={styles.container}>

      <TextInput

        placeholder="Username"

        value={username}

        onChangeText={text => setUsername(text)}

        style={styles.input}

      />

      <TextInput

        placeholder="Password"

        value={password}

        onChangeText={text => setPassword(text)}

        secureTextEntry

        style={styles.input}

      />

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

    </View>

  );

};

const ProfileScreen = () => {

  const [username, setUsername] = useState('');

  useEffect(() => {

    AsyncStorage.getItem('username')

      .then(value => {

        if (value) {

          setUsername(value);

        }

      })

      .catch(error => console.log(error));

  }, []);

  return (

    <View style={styles.container}>

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

      <Text style={styles.text}>Username: {username}</Text>

    </View>

  );

};

const styles = StyleSheet.create({

  container: {

    flex: 1,

    justifyContent: 'center',

    paddingHorizontal: 16,

  },

  input: {

    marginBottom: 16,

    padding: 10,

    borderBottomWidth: 1,

    borderBottomColor: '#ccc',

  },

  title: {

    fontSize: 24,

    fontWeight: 'bold',

    marginBottom: 16,

  },

  text: {

    fontSize: 18,

  },

});

export default App;

**OUTPUT:**



