**COMSATS INSTITUTE OF INFORMATION AND TECHONOLOGY ISLAMABAD ATTOCK CAMPUS**

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**ASSIGNMENT NO 4**

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**Course: MAD** (theory)

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**Make 3 screen home, log in and sign up in react native and use stack navigation between them and**

**Store the information submitted by user in signup form inside local storage and then in Login form retrieve that information and if valid information provided by the user, redirect him to profile screen in one file**

import React, { useState } from 'react';

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

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

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

import AsyncStorage from '@react-native-async-storage/async-storage';

const Stack = createStackNavigator();

const styles = StyleSheet.create({

container: {

flex: 1,

justifyContent: 'center',

alignItems: 'center',

padding: 20,

},

title: {

fontSize: 24,

fontWeight: 'bold',

marginBottom: 20,

},

input: {

height: 40,

width: '100%',

borderColor: '#FFFFFF',

borderWidth: 1,

marginBottom: 10,

padding: 10,

},

button: {

width: '100%',

},

});

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.navigate('Login');

};

return (

<View style={styles.container}>

<Text style={styles.title}>Signup Screen</Text>

<TextInput

style={styles.input}

placeholder="Username"

value={username}

onChangeText={setUsername}

/>

<TextInput

style={styles.input}

placeholder="Password"

secureTextEntry

value={password}

onChangeText={setPassword}

/>

<Button style={styles.button} title="Signup" 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.navigate('Profile');

} else {

alert('Invalid login information');

}

};

return (

<View style={styles.container}>

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

<TextInput

style={styles.input}

placeholder="Username"

value={username}

onChangeText={setUsername}

/>

<TextInput

style={styles.input}

placeholder="Password"

secureTextEntry

value={password}

onChangeText={setPassword}

/>

<Button style={styles.button} title="Login" onPress={handleLogin} />

</View>

);

};

const ProfileScreen = () => {

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

AsyncStorage.getItem('username').then((value) => {

setUsername(value);

});

return (

<View style={styles.container}>

<Text style={styles.title}>Welcome, {username}!</Text>

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

</View>

);

};

const App = () => {

return (

<NavigationContainer>

<Stack.Navigator initialRouteName="Signup">

<Stack.Screen name="Signup" component={SignupScreen} />

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

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

</Stack.Navigator>

</NavigationContainer>

);

};

export default App;





