**MOBILE APPLICATION DEVELOPMENT**

**ASSIGNMENT 03**

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**REG. NO: FA20-BCS-041**

**CLASS: BCS-6A**

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**Q: Make 3 screen home, log in and sign up in react native and use**

stack navigation between them.

App.js

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

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

import HomeScreen from './HomeScreen';

import SigninScreen from './SigninScreen';

import SignupScreen from './SignupScreen';

const Stack = createStackNavigator();

const AppNavigator = () => {

return (

<NavigationContainer>

<Stack.Navigator initialRouteName="Signin">

<Stack.Screen name="Home" component={HomeScreen} />

<Stack.Screen name="Signin" component={SigninScreen} />

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

</Stack.Navigator>

</NavigationContainer>

);

};

export default AppNavigator;

SigninScreen.js

// MAD ASSIGNMENT 03

// Muhammad Muaaz Shoaib

// FA20-BCS-074

// SigninScreen.js

import { useState } from 'react';

import {

StyleSheet,

Text,

TextInput,

TouchableOpacity,

View,

} from 'react-native';

import { Feather } from '@expo/vector-icons';

const SigninScreen = ({ navigation }) => {

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

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

return (

<View style={styles.container}>

<Text style={styles.title}>Sign In</Text>

<View style={styles.inputContainer}>

<Feather name="user" size={24} color="#999" />

<TextInput

style={styles.input}

placeholder="Name"

placeholderTextColor="#999"

value={userName}

onChangeText={(text) => setUserName(text)}

/>

</View>

<View style={styles.inputContainer}>

<Feather name="lock" size={24} color="#999" />

<TextInput

style={styles.input}

placeholder="Password"

placeholderTextColor="#999"

secureTextEntry

value={password}

onChangeText={(text) => setPassword(text)}

/>

</View>

<TouchableOpacity

style={styles.SignInButton}

onPress={() => navigation.navigate('Home')}>

<Text style={styles.SignInButtonText}>Sign In</Text>

</TouchableOpacity>

<TouchableOpacity style={styles.ForgotPasswordButton} onPress={() =>

{}}>

<Text style={styles.ForgotPasswordButtonText}>Forgot

Password</Text>

</TouchableOpacity>

<TouchableOpacity

style={styles.SignInWithFacebookButton}

onPress={() => {}}>

<Text style={styles.SignInWithFacebookButtonText}>

Sign In With Facebook

</Text>

</TouchableOpacity>

<TouchableOpacity

style={styles.SignInWithGoogleButton}

onPress={() => {}}>

<Text style={styles.SignInWithGoogleButtonText}>

Sign In With Google

</Text>

</TouchableOpacity>

<TouchableOpacity style={styles.CreateOneButton} onPress={() => {}}>

<Text style={styles.CreateOneText}>

Don't have an account? Create One

</Text>

</TouchableOpacity>

</View>

);

};

const styles = StyleSheet.create({

container: {

flex: 1,

alignItems: 'center',

justifyContent: 'center',

backgroundColor: '#F5F5F5',

},

inputContainer: {

flexDirection: 'row',

alignItems: 'center',

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#FFF',

shadowColor: '#000',

shadowOffset: {

width: 0,

height: 2,

},

shadowOpacity: 0.25,

shadowRadius: 3.84,

elevation: 5,

paddingLeft: 16,

marginBottom: 16,

},

title: {

fontSize: 32,

fontWeight: 'bold',

marginTop: 24,

marginBottom: 24,

},

input: {

flex: 1,

marginLeft: 16,

fontSize: 16,

},

SignInButton: {

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#007AFF',

alignItems: 'center',

justifyContent: 'center',

marginTop: 0,

},

ForgotPasswordButton: {

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#fff',

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

SignInWithFacebookButton: {

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#E7E9F6',

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

SignInWithGoogleButton: {

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#F3E9EA',

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

SignInButtonText: {

color: '#FFF',

fontSize: 16,

fontWeight: 'bold',

},

ForgotPasswordButtonText: {

color: 'grey',

fontSize: 16,

fontWeight: 'bold',

},

SignInWithFacebookButtonText: {

color: 'blue',

fontSize: 16,

fontWeight: 'bold',

},

SignInWithGoogleButtonText: {

color: 'red',

fontSize: 16,

fontWeight: 'bold',

},

CreateOneButton: {

width: '80%',

height: 48,

borderRadius: 5,

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

CreateOneText: {

color: 'grey',

fontSize: 16,

fontWeight: 'bold',

},

});

export default SigninScreen;

SignupScreen.js

// SignupScreen.js

import { useState } from 'react';

import {

StyleSheet,

Text,

TextInput,

TouchableOpacity,

View,

} from 'react-native';

import { Feather } from '@expo/vector-icons';

const SignupScreen = ({ navigation }) => {

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

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

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

return (

<View style={styles.container}>

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

<View style={styles.inputContainer}>

<Feather name="user" size={24} color="#999" />

<TextInput

style={styles.input}

placeholder="Name"

placeholderTextColor="#999"

value={userName}

onChangeText={(text) => setUserName(text)}

/>

</View>

<View style={styles.inputContainer}>

<Feather name="mail" size={24} color="#999" />

<TextInput

style={styles.input}

placeholder="Email"

placeholderTextColor="#999"

secureTextEntry

value={email}

onChangeText={(text) => setEmail(text)}

/>

</View>

<View style={styles.inputContainer}>

<Feather name="lock" size={24} color="#999" />

<TextInput

style={styles.input}

placeholder="Password"

placeholderTextColor="#999"

secureTextEntry

value={password}

onChangeText={(text) => setPassword(text)}

/>

</View>

<View style={styles.inputContainer}>

<Feather name="lock" size={24} color="#999" />

<TextInput

style={styles.input}

placeholder="Password"

placeholderTextColor="#999"

secureTextEntry

value={password}

onChangeText={(text) => setPassword(text)}

/>

</View>

<TouchableOpacity

style={styles.SignUpButton}

onPress={() => navigation.navigate('Home')}>

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

</TouchableOpacity>

<TouchableOpacity style={styles.TermsofUseButton} onPress={() =>

{}}>

<Text style={styles.TermsofUseText}>

By registering, you confirm that you accept our Terms of Use and

Privacy Policy.

</Text>

</TouchableOpacity>

<TouchableOpacity

style={styles.SignInWithFacebookButton}

onPress={() => {}}>

<Text style={styles.SignInWithFacebookButtonText}>

Sign In With Facebook

</Text>

</TouchableOpacity>

<TouchableOpacity

style={styles.SignInWithGoogleButton}

onPress={() => {}}>

<Text style={styles.SignInWithGoogleButtonText}>

Sign In With Google

</Text>

</TouchableOpacity>

<TouchableOpacity style={styles.SignInButton} onPress={() => {}}>

<Text style={styles.SignInButtonText}>Have an account? Sign

In</Text>

</TouchableOpacity>

</View>

);

};

const styles = StyleSheet.create({

container: {

flex: 1,

alignItems: 'center',

justifyContent: 'center',

backgroundColor: '#F5F5F5',

},

title: {

fontSize: 32,

fontWeight: 'bold',

marginTop: 24,

marginBottom: 24,

},

inputContainer: {

flexDirection: 'row',

alignItems: 'center',

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#FFF',

shadowColor: '#000',

shadowOffset: {

width: 0,

height: 2,

},

shadowOpacity: 0.25,

shadowRadius: 3.84,

elevation: 5,

paddingLeft: 16,

marginBottom: 16,

},

input: {

flex: 1,

marginLeft: 16,

fontSize: 16,

},

SignUpButton: {

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#007AFF',

alignItems: 'center',

justifyContent: 'center',

marginTop: 0,

},

SignInWithFacebookButton: {

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#E7E9F6',

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

SignInWithGoogleButton: {

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#F3E9EA',

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

SignUpButtonText: {

color: '#FFF',

fontSize: 16,

fontWeight: 'bold',

},

SignInWithFacebookButtonText: {

color: 'blue',

fontSize: 16,

fontWeight: 'bold',

},

SignInWithGoogleButtonText: {

color: 'red',

fontSize: 16,

fontWeight: 'bold',

},

TermsofUseButton: {

width: '80%',

height: 48,

borderRadius: 5,

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

TermsofUseText: {

color: 'grey',

fontSize: 12,

fontWeight: 'bold',

},

SignInButton: {

width: '80%',

height: 48,

borderRadius: 5,

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

SignInButtonText: {

color: 'grey',

fontSize: 16,

fontWeight: 'bold',

},

});

export default SignupScreen;

HomeScreen.js

// HomeScreen.js

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

const HomeScreen = ({ navigation }) => {

return (

<View style={styles.container}>

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

<TouchableOpacity

style={styles.Button}

onPress={() => navigation.navigate('Signin')}>

<Text style={styles.ButtonText}>Sign In</Text>

</TouchableOpacity>

<TouchableOpacity

style={styles.Button}

onPress={() => navigation.navigate('Signup')}>

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

</TouchableOpacity>

</View>

);

};

const styles = StyleSheet.create({

container: {

flex: 1,

alignItems: 'center',

justifyContent: 'center',

backgroundColor: '#F5F5F5',

},

title: {

fontSize: 32,

fontWeight: 'bold',

marginTop: 24,

marginBottom: 24,

},

Button: {

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#007AFF',

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

ButtonText: {

color: '#FFF',

fontSize: 16,

fontWeight: 'bold',

},

});

export default HomeScreen;