**Class Task: Login System**

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**Code:**

**Form.js:**

import React, { Component } from 'react';

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

import {Actions} from 'react-native-router-flux';

export default class Form extends Component{

constructor(props){

super(props);

this.state = {

username: "",

password: ""

}

}

saveData = async() => {

const username = this.state.usename;

const password = this.state.password;

let userDetails = {

username: username,

password: password

}

if(this.props.type != 'Login'){

AsyncStorage.setItem('userDetails', JSON.stringify(userDetails));

Keyboard.dismiss();

alert("You successfully registered. Username: " + username + ' password: ' + password);

this.login();

}

else if (this.props.type == 'Login'){

try{

let userDetails = await AsyncStorage.getItem('loginDetails');

let loginId = JSON.parse(userDetails);

if(loginId.username != null && loginId.password != null){

if(loginId.username == username && loginId.password == password){

alert("Welcome");

}

else{

alert("Unable to Login. Username or Password incorrect");

}

}

}catch(error){

alert(error);

}

}

}

render() {

return(

<View style={styles.container}>

<TextInput style={styles.inputBox}

onChangeText={(username) => this.setState({username})}

underlineColorAndroid='rgba(0,0,0,0)'

placeholder="Username"

placeholderTextColor = "#002f6c"

selectionColor="#fff"

onSubmitEditing={()=> this.password.focus()}/>

<TextInput style={styles.inputBox}

onChangeText={(password) => this.setState({password})}

underlineColorAndroid='rgba(0,0,0,0)'

placeholder="Password"

secureTextEntry={true}

placeholderTextColor = "#002f6c"

ref={(input) => this.password = input}

/>

<TouchableOpacity style={styles.button}>

<Text style={styles.buttonText} onPress={this.saveData}>{this.props.type}</Text>

</TouchableOpacity>

</View>

)

}

}

const styles = StyleSheet.create({

container: {

justifyContent: 'center',

alignItems: 'center',

backgroundColor:"white"

},

inputBox: {

width: 300,

backgroundColor: '#d3d3d3',

borderRadius: 25,

paddingHorizontal: 16,

fontSize: 16,

color: 'black',

marginVertical: 10

},

button: {

width: 300,

backgroundColor: '#d3d3d3',

borderRadius: 25,

marginVertical: 10,

paddingVertical: 12

},

buttonText: {

fontSize: 16,

fontWeight: '500',

color: '#ffffff',

textAlign: 'center'

}

});

**Login.js:**

import React, { Component } from 'react';

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

import {Actions} from 'react-native-router-flux';

import Form from './Form';

export default class Login extends Component{

signup() {

Actions.signup()

}

render() {

return(

<View style={styles.container}>

<Text>{'\n'}</Text>

<Text>{'\n'}</Text>

<Form type="Login"/>

<View style={styles.signupTextCont}>

<Text style={styles.signupText}>Dont have an account yet? </Text>

<TouchableOpacity onPress={this.signup}><Text style={styles.signupButton}>Signup</Text></TouchableOpacity>

</View>

</View>

)

}

}

const styles = StyleSheet.create({

container: {

flex: 1,

justifyContent: 'center',

alignItems: 'center',

backgroundColor: '#d3d3d3',

},

signupTextCont: {

flexGrow: 1,

justifyContent: 'center',

alignItems: 'flex-end',

paddingVertical: 16,

flexDirection: 'row',

},

signupText: {

color: 'black',

fontSize:16,

},

signupButton: {

color: 'black',

fontSize:16,

}

});

**Signup.js:**

import React, { Component } from 'react';

import {

StyleSheet,

Text,

View,

TouchableOpacity

} from 'react-native';

import Form from './Form';

import {Actions} from 'react-native-router-flux';

export default class Signup extends Component{

goBack() {

Actions.pop()

}

render() {

return(

<View style={styles.container}>

<Text>{'\n'}</Text>

<Text>{'\n'}</Text>

<Form type="Signup"/>

<View style={styles.signupTextCont}>

<Text style={styles.signupText}>Already have an account? </Text>

<TouchableOpacity onPress={this.goBack}><Text style={styles.signupButton}>Sign in</Text></TouchableOpacity>

</View>

</View>

)

}

}

const styles = StyleSheet.create({

container:{

flex:1,

justifyContent:'center',

alignItems: 'center',

backgroundColor: 'white'

},

signupTextCont:{

felxgrow: 1,

justifyContent: 'center',

alignItems: 'center',

paddingVertical: 16,

flexDirection: 'row'

},

signupText:{

color: '#112799f',

fontSize: 16

},

signupButton:{

color:'black',

fontSize: 16,

fontWeight: '500'

}

});

**Route.js:**

import React, { Component } from 'react';

import {Router, Stack, Scene} from 'react-native-router-flux';

import Login from './Login';

import Signup from './Signup';

export default class Routes extends Component {

render() {

return (

<Router barButtonIconStyle ={styles.barButtonIconStyle}

hideNavBar={false}

navigationBarStyle={{backgroundColor: '#842525',}}

titleStyle={{color: 'white',}}

>

<Stack key="root">

<Scene key="login" component={Login} title="Login"/>

<Scene key="signup" component={Signup} title="Sign up"/>

</Stack>

</Router>

)

}

}

const styles = {

barButtonIconStyle: {

tintColor: 'white'

}

}

**Output:**



