***Theory and Lab Assignment 3***

***Course: Mobile Application Development***

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# **App.js:**

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

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

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

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

import Register from './app/components/Register';

import Home from './app/components/Home';

import Login from './app/components/Login';

export default function App() {

  return (

    <NavigationContainer>

      <Stack.Navigator>

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

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

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

      </Stack.Navigator>

    </NavigationContainer>

  );

}

const styles = StyleSheet.create({

});

# **Components:**

# **Home.js:**

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

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

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

function Home() {

    const [name, setName] = useState();

    const [email, setEmail] = useState();

    const [phone, setPhone] = useState();

    const [password, setPassword] = useState();

    const getValueLocally=()=>{

        AsyncStorage.getItem("name")

        .then((value)=>setName(value));

        AsyncStorage.getItem("email")

        .then((value)=>setEmail(value));

        AsyncStorage.getItem("phone")

        .then((value)=>setPhone(value));

        AsyncStorage.getItem("password")

        .then((value)=>setPassword(value));

    }

    useEffect(()=>{

        getValueLocally()

    },[])

    return (

        <View style={styles.container}>

            <View style={styles.box}>

                <Text style={styles.user}>User Profile</Text>

                <Text style={styles.text}>Name : {name}</Text>

                <Text style={styles.text}>Email : {email}</Text>

                <Text style={styles.text}>Phone : {phone}</Text>

                <Text style={styles.text}>Password : {password}</Text>

            </View>

        </View>

    );

}

const styles = StyleSheet.create({

    container: {

        alignItems: 'center',

        backgroundColor: "#b3b2b1",

        flex: 1,

        justifyContent: 'center',

    },

    box: {

        backgroundColor: "#d68636",

        width: "80%",

        height: "50%",

        borderRadius: 34,

        borderWidth: 5,

        borderColor: "#000"

    },

    text: {

        fontSize: 20,

        fontWeight: 'bold',

        alignSelf: 'center',

        marginBottom: 10

    },

    user: {

        fontSize: 30,

        fontWeight: 'bold',

        margin: 30,

        alignSelf: 'center'

    }

})

export default Home;

# **Login.js:**

import React, { useState } from 'react';

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

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

function Login({navigation}) {

    const [enterEmail, setEnterEmail] = useState();

    const [enterPassword, setEnterPassword] = useState();

    const [email, setEmail] = useState();

    const [password, setPassword] = useState();

    const getValueLocally=()=>{

        AsyncStorage.getItem("email")

        .then((value)=>setEmail(value));

        AsyncStorage.getItem("password")

        .then((value)=>setPassword(value));

        if(email==enterEmail&password==enterPassword){

            navigation.navigate("Home");

            console.log("Pass")

        }

        else{

            Alert.alert("Your email or password is incorrect");

        }

    }

    return (

        <View style={styles.container}>

            <TextInput style={styles.input} onChangeText={setEnterEmail}

             placeholder='Enter your email' placeholderTextColor="#1f1d1d"/>

            <TextInput style={styles.input} onChangeText={setEnterPassword}

            placeholder='Enter your password' placeholderTextColor="#1f1d1d"/>

            <TouchableOpacity onPress={getValueLocally} style={styles.button}>

                <Text style={styles.text}>Login</Text>

            </TouchableOpacity>

        </View>

    );

}

const styles = StyleSheet.create({

    container: {

        justifyContent: 'center',

        alignItems: 'center',

        flex: 1,

      },

      input: {

        backgroundColor: "#f0ebeb",

        borderRadius: 25,

        borderColor: "#000",

        borderWidth: 1,

        flexDirection: "row",

        padding: 10,

        width: "80%",

        margin: 10

      },

      button:{

        alignItems: 'center',

        backgroundColor: "#d68636",

        borderRadius: 25,

        marginVertical: 10,

        borderColor: "#1f1e1d",

        borderWidth: 1.5,

        padding: 10,

        width: "30%"

    },

    text:{

        color: "#000",

        fontSize: 16,

        fontWeight: 'bold'

    }

})

export default Login;

# **Register.js:**

import React, { useState } from 'react';

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

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

function Register({navigation}) {

    const [name, setName] = useState();

    const [email, setEmail] = useState();

    const [phone, setPhone] = useState();

    const [password, setPassword] = useState();

const setValueLocally=()=>{

        AsyncStorage.setItem('name', name);

        AsyncStorage.setItem('email', email);

        AsyncStorage.setItem('phone', phone);

        AsyncStorage.setItem('password', password);

        navigation.navigate("Login");

        console.log("data saved");

      }

    return(

        <View style={styles.container}>

            <TextInput style={styles.input} onChangeText={setName}

            placeholder='Enter your name' placeholderTextColor="#1f1d1d"/>

            <TextInput style={styles.input} onChangeText={setEmail}

             placeholder='Enter your email' placeholderTextColor="#1f1d1d"/>

            <TextInput style={styles.input} onChangeText={setPhone}

            placeholder='Enter your phone' placeholderTextColor="#1f1d1d"/>

            <TextInput style={styles.input} onChangeText={setPassword}

            placeholder='Enter your password' placeholderTextColor="#1f1d1d"/>

            <TouchableOpacity onPress={setValueLocally} style={styles.button}>

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

            </TouchableOpacity>

        </View>

    );

}

const styles = StyleSheet.create({

  container: {

    justifyContent: 'center',

    alignItems: 'center',

    flex: 1,

  },

  input: {

    backgroundColor: "#f0ebeb",

    borderRadius: 25,

    borderColor: "#000",

    borderWidth: 1,

    flexDirection: "row",

    padding: 10,

    width: "80%",

    margin: 10

  },

  button:{

    alignItems: 'center',

    backgroundColor: "#d68636",

    borderRadius: 25,

    marginVertical: 10,

    borderColor: "#1f1e1d",

    borderWidth: 1.5,

    padding: 10,

    width: "30%"

},

text:{

    color: "#000",

    fontSize: 16,

    fontWeight: 'bold'

}

})

export default Register;

# **Output:**





