## Name Ameer Muavia

## Reg.no SP20-BCS-043

## Assignment 04

# Prayers.js:

import axios from "axios";

import { useState, useEffect } from "react";

import {

View,

Text,

StyleSheet,

Dimensions,

ImageBackground,

} from "react-native";

import Ionicons from "react-native-vector-icons/Ionicons";

export default function Pra() {

const [fullDate, setfullDate] = useState();

const [faj, setfaj] = useState();

const [zuhar, setzuhar] = useState();

const [asr, setasr] = useState();

const [mag, setmag] = useState();

const [ish, setish] = useState();

const [suns, setsuns] = useState();

const [sunr, setsunr] = useState();

const [location, setLocation] = useState(null);

const [errorMsg, setErrorMsg] = useState(null);

useEffect(() => {

(async () => {

let { status } = await Location.getForegroundPermissionsAsync();

if (status !== "granted") {

setErrorMsg("Permission to access location was denied");

return;

}

let location = await Location.getCurrentPositionAsync({});

setLocation(location.coords);

})();

}, []);

let longitude;

let Latitude;

if (errorMsg) {

longitude = errorMsg;

} else if (location) {

longitude = JSON.parse(location.longitude);

Latitude = JSON.parse(location.latitude);

}

let dat = new Date();

let day = dat.getDate();

let month = dat.getMonth() + 1;

let year = dat.getFullYear();

return (

<View style={styles.container}>

<View style={styles.smallbox}>

<View style={styles.smallbox2}>

<Text style={{ color: "white" }}>Sunrise</Text>

<Text>

<Ionicons name="sunny-outline" color={"white"} size={15}></Ionicons>

</Text>

<Text style={{ color: "white" }}>{sunr}</Text>

</View>

<View style={[styles.smallbox2, { marginLeft: 189 }]}>

<Text style={{ color: "white" }}>Sunset</Text>

<Text>

<Ionicons name="moon-outline" color={"white"} size={15}></Ionicons>

</Text>

<Text style={{ color: "white" }}>{suns}</Text>

</View>

</View>

<Text style={styles.txt}>{fullDate}</Text>

<Text style={styles.txt2}>Fajr {faj}</Text>

<Text style={styles.txt2}>Zuhar {zuhar}</Text>

<Text style={styles.txt2}>Asr {asr}</Text>

<Text style={styles.txt2}>Maghrib {mag}</Text>

<Text style={styles.txt2}>Isha {ish}</Text>

</View>

);

}

var width = Dimensions.get("screen").width;

var height = Dimensions.get("screen").height;

const styles = StyleSheet.create({

container: {

flex: 1,

alignItems: "flex-start",

justifyContent: "center",

backgroundColor: "#3D8361",

},

txt: {

fontSize: 40,

color: "yellow",

width: width,

textAlign: "center",

},

txt2: {

fontSize: 30,

color: "yellow",

marginVertical: 20,

width: width,

textAlign: "center",

padding: 13,

justifyContent: "center",

shadowColor: "black",

},

smallbox: {

flexWrap: "wrap",

flexDirection: "row",

padding: 10,

},

smallbox2: {

textAlign: "center",

alignItems: "center",

},

});

# Location.js:

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

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

import \* as Location from 'expo-location';

import PrayerTimes from './prayers';

export default function Locators() {

const [location, setLocation] = useState(null);

const [errorMsg, setErrorMsg] = useState(null);

useEffect(() => {

(async () => {

let { status } = await Location.getForegroundPermissionsAsync();

if (status !== "granted") {

setErrorMsg("Permission to access location was denied");

return;

}

let location = await Location.getCurrentPositionAsync({});

setLocation(location.coords);

})();

}, []);

let longitude;

let Latitude;

if (errorMsg) {

longitude = errorMsg;

} else if (location) {

longitude = JSON.parse(location.longitude);

Latitude = JSON.parse(location.latitude);

}

return (

<PrayerTimes Latitude={Latitude} Longitude={longitude}/>

);

}

const styles = StyleSheet.create({

container: {

flex: 1,

alignItems: "center",

justifyContent: "center",

},

});

# Output:

# 

# 