**COMSATS UNIVERSITY ISLAMABAD ATTOCK CAMPUS**

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**REGISTRATION NUMBER: SP20-BSE-009**

**ASSIGNMENT NO:04**

**SUBJECT: MOBILE APPLICATION DEVELOPMENT**

**SUBMITTED TO: MR KAMRAN**

**CODE:**

import React from 'react';

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

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

import ModalSelector from 'react-native-modal-selector'

import PrayerTimes from 'prayer-times';

import Header from './src/components/Header';

import PrayTimeLists from './src/components/PrayTimeLists';

import colors from './src/constants/colors';

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

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

const [lat, setlat] = useState(null);

const [lon, setlon] = useState(null);

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

useEffect(() => {

(async () => {

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

if (status !== 'granted') {

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

return;

}

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

setLocation(location);

setlat(location.latitude);

setlon(location.longitude);

})();

}, []);

const prayTimes = new PrayerTimes();

const locations = [

{

key: 1,

label: 'Jakarta',

coord: [6.1751, 106.8650]

},

{

key: 2,

label: 'Depok',

coord: [6.4025, 106.7942]

},

{

key: 3,

label: 'Tangerang',

coord: [6.2024, 106.6527]

},

{

key: 4,

label: 'Bekasi',

coord: [6.2383, 106.9756]

}

]

fetch('http://api.aladhan.com/v1/calendarByCity', {

method: 'POST',

headers: {

Accept: 'application/json',

'Content-Type': 'application/json',

},

var myarr = json;

myarr.forEach(element => {

if(element["id"] == 32){

setfajr(timings["Fajr"]);

setsunrise(timings["Sunrise"]);

setdhuhr(timings["Dhuhr"]);

setasar(timings["Asar"]);

setmaghrib(timings["Maghrib"]);

setisha(timings["Isha"]);

}

});

export default class App extends React.Component {

constructor(props) {

super(props);

this.state = {

times: prayTimes.getTimes(new Date(), locations[0].coord, +7, 'auto', '24h'),

locationSelected: locations[0]

}

}

render() {

return (

<View style={styles.mainBox}>

<Text style={styles.myText1} >Fajr: {fajr}</Text>

<Text style={styles.myText2} >sunrise: {sunrise}</Text>

<Text style={styles.myText2} >dhuhr: {dhuhr}</Text>

<Text style={styles.myText2} >asar: {asar}</Text>

<Text style={styles.myText2} >maghrib: {maghrib}</Text>

<Text style={styles.myText2} >isha: {isha}</Text>

</View>

</ScrollView>

);

}

}

const styles = StyleSheet.create({

container: {

flex: 1,

backgroundColor: colors.pale\_grey,

padding: 30,

},

configContainer: {

alignItems: 'flex-end',

paddingBottom: 15

},

locationSelector: {

marginBottom: 10

}

});