var map;

var elevator;

var myOptions = {

zoom: 9,

center: new google.maps.LatLng(39.0335, -94.5756)

mapTypeId: 'terrain'

};

map = new google.maps.Map($('#map')[0], myOptions);

var markers = [];

// Add a listener for idle event and call getElevation on a random set of marker in the bound

google.maps.event.addListener(map, 'idle', function()

{

// Create an ElevationService

elevator = new google.maps.ElevationService();

$.each(markers, function(key, value)

{

value.setMap(null);

});

// getting bounds of current location

var boundBox = map.getBounds();

var southWest = boundBox.getSouthWest();

var northEast = boundBox.getNorthEast();

var lngSpan = northEast.lng() - southWest.lng();

var latSpan = northEast.lat() - southWest.lat();

// adding 20 markers to the map at random locations

var locations = [];

for (var j = 0; j < 10; j++)

{

var location = new google.maps.LatLng(

southWest.lat() + latSpan \* Math.random(),

southWest.lng() + lngSpan \* Math.random()

);

locations.push(location);

}

// Create a LocationElevationRequest object using the array's one value

var positionalRequest = {

'locations': locations

};

elevator.getElevationForLocations(positionalRequest, function(results, status)

{

if (status === google.maps.ElevationStatus.OK)

{

$.each(results, function(key, value)

{

});

}

});

});

$(document).ready(function() {

var d = new Date();

$.simpleWeather({

zipcode: '64110',

woeid: '',

location: '',

unit: 'f',

success: function(weather) {

html = '<h2>'+weather.temp+'&deg;'+weather.units.temp+'</h2>';

html += '<ul><li>'+weather.city+', '+weather.region+'</li>';

html += '<li class="currently">'+weather.currently+'</li>';

html += '<br/>';

$("#weather").html(html);

},

error: function(error) {

$("#weather").html('<p>'+error+'</p>');

}

});

});

(function(e){"use strict";e.extend({simpleWeather:function(t){t=e.extend({zipcode:"",woeid:"2357536",location:"",unit:"f",success:function(e){},error:function(e){}},t);var n=new Date;var r="http://query.yahooapis.com/v1/public/yql?format=json&rnd="+n.getFullYear()+n.getMonth()+n.getDay()+n.getHours()+"&diagnostics=true&callback=?&diagnostics=true&env=store%3A%2F%2Fdatatables.org%2Falltableswithkeys&q=";if(t.location!==""){r+='select \* from weather.forecast where location in (select id from weather.search where query="'+t.location+'") and u="'+t.unit+'"'}else if(t.zipcode!==""){r+='select \* from weather.forecast where location in ("'+t.zipcode+'") and u="'+t.unit+'"'}else if(t.woeid!==""){r+="select \* from weather.forecast where woeid="+t.woeid+' and u="'+t.unit+'"'}else{t.error("Could not retrieve weather due to an invalid WOEID or location.");return false}e.getJSON(r,function(n){if(n!==null&&n.query.results!==null&&n.query.results.channel.description!=="Yahoo! Weather Error"){e.each(n.query.results,function(e,n){if(n.constructor.toString().indexOf("Array")!==-1){n=n[0]}var r=new Date;var i=new Date(r.toDateString()+" "+n.astronomy.sunrise);var s=new Date(r.toDateString()+" "+n.astronomy.sunset);if(r>i&&r<s){var o="d"}else{var o="n"}var u=["N","NNE","NE","ENE","E","ESE","SE","SSE","S","SSW","SW","WSW","W","WNW","NW","NNW","N"];var a=u[Math.round(n.wind.direction/22.5)];if(n.item.condition.temp<80&&n.atmosphere.humidity<40){var f=-42.379+2.04901523\*n.item.condition.temp+10.14333127\*n.atmosphere.humidity-.22475541\*n.item.condition.temp\*n.atmosphere.humidity-6.83783\*Math.pow(10,-3)\*Math.pow(n.item.condition.temp,2)-5.481717\*Math.pow(10,-2)\*Math.pow(n.atmosphere.humidity,2)+1.22874\*Math.pow(10,-3)\*Math.pow(n.item.condition.temp,2)\*n.atmosphere.humidity+8.5282\*Math.pow(10,-4)\*n.item.condition.temp\*Math.pow(n.atmosphere.humidity,2)-1.99\*Math.pow(10,-6)\*Math.pow(n.item.condition.temp,2)\*Math.pow(n.atmosphere.humidity,2)}else{var f=n.item.condition.temp}if(t.unit==="f"){var l="c";var c=Math.round(5/9\*(n.item.condition.temp-32));var h=Math.round(5/9\*(n.item.forecast[0].high-32));var p=Math.round(5/9\*(n.item.forecast[0].low-32));var d=Math.round(5/9\*(n.item.forecast[1].high-32));var v=Math.round(5/9\*(n.item.forecast[1].low-32))}else{var l="f";var c=Math.round(9/5\*n.item.condition.temp+32);var h=Math.round(9/5\*n.item.forecast[0].high+32);var p=Math.round(9/5\*n.item.forecast[0].low+32);var d=Math.round(5/9\*(n.item.forecast[1].high+32));var v=Math.round(5/9\*(n.item.forecast[1].low+32))}var m={title:n.item.title,temp:n.item.condition.temp,tempAlt:c,code:n.item.condition.code,todayCode:n.item.forecast[0].code,timeOfDay:o,units:{temp:n.units.temperature,distance:n.units.distance,pressure:n.units.pressure,speed:n.units.speed,tempAlt:l},currently:n.item.condition.text,high:n.item.forecast[0].high,highAlt:h,low:n.item.forecast[0].low,lowAlt:p,forecast:n.item.forecast[0].text,wind:{chill:n.wind.chill,direction:a,speed:n.wind.speed},humidity:n.atmosphere.humidity,heatindex:f,pressure:n.atmosphere.pressure,rising:n.atmosphere.rising,visibility:n.atmosphere.visibility,sunrise:n.astronomy.sunrise,sunset:n.astronomy.sunset,description:n.item.description,thumbnail:"http://l.yimg.com/a/i/us/nws/weather/gr/"+n.item.condition.code+o+"s.png",image:"http://l.yimg.com/a/i/us/nws/weather/gr/"+n.item.condition.code+o+".png",tomorrow:{high:n.item.forecast[1].high,highAlt:d,low:n.item.forecast[1].low,lowAlt:v,forecast:n.item.forecast[1].text,code:n.item.forecast[1].code,date:n.item.forecast[1].date,day:n.item.forecast[1].day,image:"http://l.yimg.com/a/i/us/nws/weather/gr/"+n.item.forecast[1].code+"d.png"},city:n.location.city,country:n.location.country,region:n.location.region,updated:n.item.pubDate,link:n.item.link};t.success(m)})}else{if(n.query.results===null){t.error("An invalid WOEID or location was provided.")}else{t.error("There was an error retrieving the latest weather information. Please try again.")}}});return this}})})(jQuery)