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document.addEventListener('DOMContentLoaded', bindButtons);

function bindButtons(){

var appID = '&appid=4917cc7f7342a72f2c84f306da69cc7e';

var rootURL = '<http://api.openweathermap.org/data/2.5/weather>?';

var param = ""; // holds the value of the parameters to search by city/zipcode

document.getElementById('urlSubmit').addEventListener('click', function(event){

var sendBy = document.querySelector('select[id="mySelection"]'); // get the value of the current drop down selection

if(sendBy.value == "city") param = "q="; // Are we searching by city?

else param = "zip="; // or by zipcode?

param += document.getElementById("location").value;

handleRequest(rootURL + param + appID);

event.preventDefault();

});

}

function httpRequest(url, method, setHeader, payload){

return new Promise(function(succeed, fail){

var req = new XMLHttpRequest();

req.open(method, url, true);

if (setHeader) req.setRequestHeader('Content-Type', 'application/json');

req.addEventListener("load", function(){

if(req.status < 400) succeed(req.responseText);

else fail(new Error("Request failed: " + req.statusText));

});

req.addEventListener("error", function(){

fail(new Error("Network Error"));

});

if(payload !== undefined) req.send(JSON.stringify(payload)); // do we have a payload to send?

else req.send(null);

});

}

function handleRequest(targetURL, payload){

httpRequest(targetURL, 'GET', false).then(function(text){

showResponse(JSON.parse(text));

},function(error){

alert("Request failed due to the following error: \n" + error);

});

}

function showResponse(response){

document.getElementById('city').innerHTML = "Today's Forecast For: " + response.name;

document.getElementById('temp').textContent = response.main.temp;

document.getElementById('humidity').textContent = response.main.humidity;

document.getElementById('pressure').textContent = response.main.pressure;

document.getElementById('high').textContent = response.main.temp\_max;

document.getElementById('low').textContent = response.main.temp\_min;

}