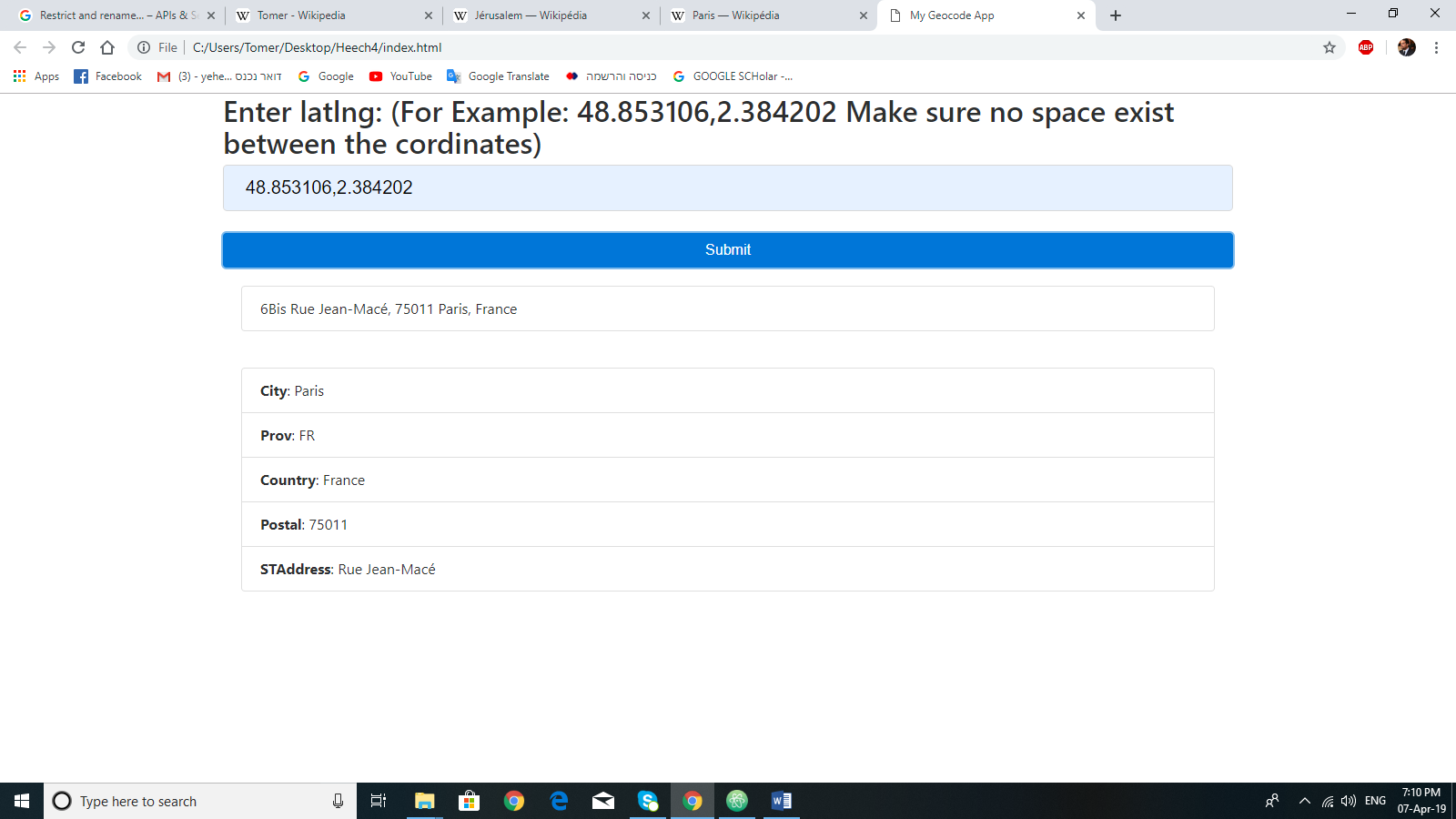
**Exe 3 – API Test**

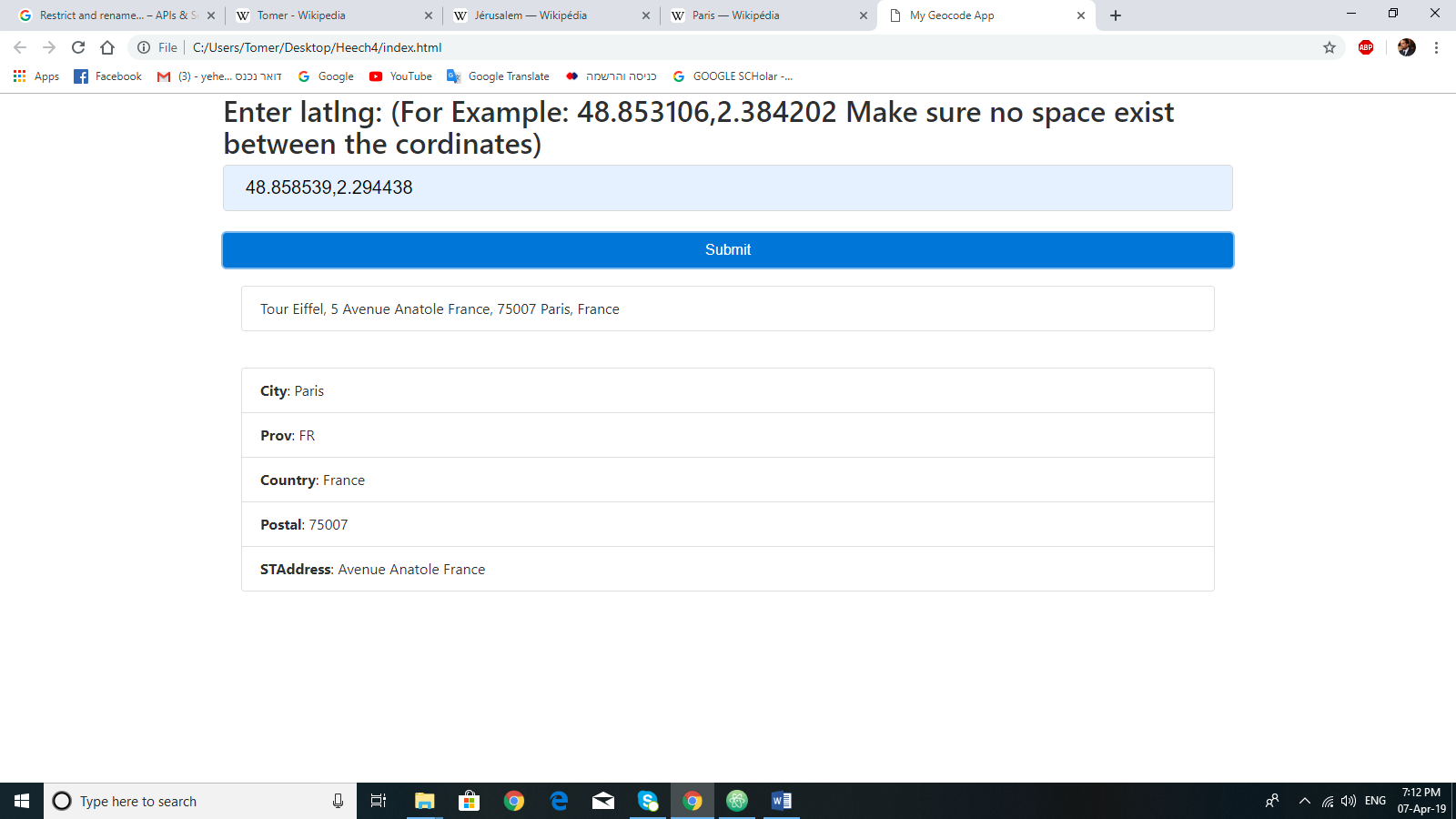
Resolved using HTML JavaScript and GeoCode

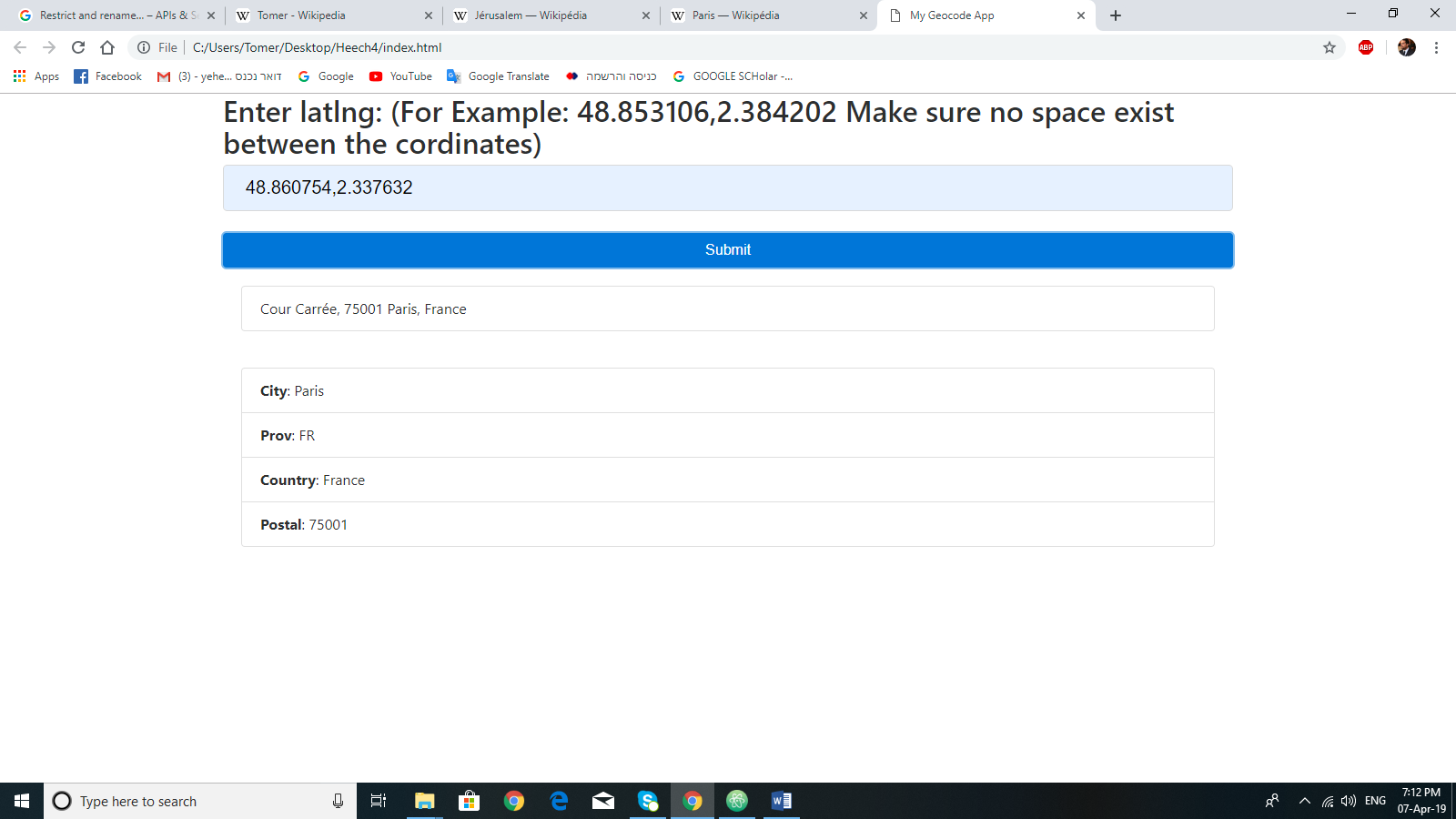
Pay attention that you need to refresh the web page before every execution

In addition in the Code, you need to replace key:'AIzaSyAjvcXqbsErbC\_We\_Ypsan4r3WV5AMl3o8' by generating new key per every use. To generate new Key go to

<https://console.developers.google.com/apis/credentials/key/c281dd11-95c7-42d5-acc9-7c6adf4a47e6?project=atomic-griffin-236821>







Code:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/css/bootstrap.min.css" integrity="sha384-rwoIResjU2yc3z8GV/NPeZWAv56rSmLldC3R/AZzGRnGxQQKnKkoFVhFQhNUwEyJ" crossorigin="anonymous">

<script src="https://unpkg.com/axios/dist/axios.min.js"></script>

<title>My Geocode App</title>

</head>

<body>

<div class="container">

<h2 id="text-center">Enter latlng: (For Example: 48.853106,2.384202 Make sure no space exist between the cordinates)</h2>

<form id="location-form">

<input type="text" id="location-input" class="form-control form-control-lg">

<br>

<button type="submit" class="btn btn-primary btn-block">Submit</button>

</form>

<div class="card-block" id="formatted-address"></div>

<div class="card-block" id="address-components"></div>

</div>

<script>

//geocode();

// Get location form

var locationForm = document.getElementById('location-form');

// Listen for submiot

locationForm.addEventListener('submit', geocode);

function geocode(e){

// Prevent actual submit

e.preventDefault();

var latlng = document.getElementById('location-input').value;

axios.get('https://maps.googleapis.com/maps/api/geocode/json',{

params:{

latlng:latlng,

key:'AIzaSyB0alnnEK8fsCE-dUs1l-30weAbV9IpjwI'

}

})

.then (function(response){

console.log(response);

var formattedAddress = response.data.results[0].formatted\_address;

var formattedAddressOutput = `

<ul class="list-group">

<li class="list-group-item">${formattedAddress}</li>

</ul>

`;

var addressComponents = response.data.results[0].address\_components;

var addressComponentsOutput = '<ul class="list-group">';

addressComponentsOutput += getAddressElement(addressComponents, 'locality', 'long\_name', 'City');

addressComponentsOutput += getAddressElement(addressComponents, 'country', 'short\_name', 'Prov');

addressComponentsOutput += getAddressElement(addressComponents, 'country', 'long\_name', 'Country');

addressComponentsOutput += getAddressElement(addressComponents, 'postal\_code', 'long\_name', 'Postal');

addressComponentsOutput += getAddressElement(addressComponents, 'route', 'long\_name', 'STAddress');

addressComponentsOutput += '</ul>';

//var obj = JSON.parse(addressComponentsOutput);

//document.getElementById(locality')

//document.getElementById('locality').innerHTML = obj.locality;

document.getElementById('formatted-address').innerHTML = formattedAddressOutput;

document.getElementById('address-components').innerHTML = addressComponentsOutput;

})

.catch(function(error){

console.log(error);

});

function getAddressElement(data, type, name, title) {

for (var i=0; i<data.length; i++) {

for (var j=0; j<data[i].types.length; j++) {

if (data[i].types[j] == type) {

return `

<li class="list-group-item"><strong>${title}</strong>: ${data[i][name]}</li>

`;

}

}

}

return '';

}

}

</script>

</body>

</html>