**KDM LAB-2 SOURCE CODE**

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**HTML code:**

<script src="https://maps.googleapis.com/maps/api/js?v=3.exp&sensor=false"></script>

<body>

<div id="control">

<input type="text" name="start" id="start" value="" />

<input type="text" name="end" id="end" value="" />

<select id="mode">

<option value="DRIVING">Driving</option>

<option value="WALKING">Walking</option>

<option value="BICYCLING">Bicycling</option>

<option value="TRANSIT">Transit</option>

</select>

<input type="submit" id="submit" value="submit" />

</div>

<div id="map-canvas" style="width:500px;height:500px"></div>

<div id="temp"></div>

**JAVA Script:**

$('#control').ready(function () {

initialize(41.850033, -87.6500523);

$('#submit').click(function () {

calcRoute();

});

});

var directionsDisplay;

var directionsService = new google.maps.DirectionsService();

var map;

function initialize(lat, lan) {

directionsDisplay = new google.maps.DirectionsRenderer();

var mapOptions = {

zoom: 7,

mapTypeId: google.maps.MapTypeId.ROADMAP,

center: new google.maps.LatLng(lat, lan)

}

map = new google.maps.Map(document.getElementById('map-canvas'), mapOptions);

directionsDisplay.setMap(map);

var control = document.getElementById('control');

control.style.display = 'block';

map.controls[google.maps.ControlPosition.TOP\_CENTER].push(control);

}

function calcRoute() {

var selectedMode = document.getElementById('mode').value;

var a = document.getElementById('start').value;

var b = document.getElementById('end').value;

var request = {

origin: a,

destination: b,

travelMode: google.maps.TravelMode[selectedMode]

};

directionsService.route(request, function (response, status) {

if (status == google.maps.DirectionsStatus.OK) {

directionsDisplay.setDirections(response);

}

});

document.getElementById('temp').innerHTML = '<hr/><p>Weathers at source and destinations</p><br/><center><table><tr><td><b>Source</b></td><td><b>Destination</b></td></tr><tr><td><iframe src="http://api.openweathermap.org/data/2.5/weather?q='+a+'&mode=html" name="targetframe" allowTransparency="true" scrolling="no" frameborder="0" ></iframe></td><td><iframe src="http://api.openweathermap.org/data/2.5/weather?q='+b+'&mode=html" name="targetframe" allowTransparency="true" scrolling="no" frameborder="0" ></iframe></td></tr></table></center>';

}

**CSS code:**

html, body {

height: 100%;

margin: 0;

padding: 0;

}

#map-canvas, #map\_canvas {

height: 100%;

}

@media print {

html, body {

height: auto;

}

#map-canvas, #map\_canvas {

height: 650px;

}

}

#panel {

position: absolute;

top: 5px;

left: 50%;

margin-left: -180px;

z-index: 5;

background-color: #fff;

padding: 5px;

border: 1px solid #999;

}