LAB2

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I have developed a mobile application for getting directions from a place to other place when we enter two place names.

I have developed this mobile application by using HTML, java script, CSS3 and JQuery mobile.

I have used Google maps API and generated my own key and used it in the source link and my key is AIzaSyCcmnjzkVJTP7\_M3-Y9b0KbKcIAq6begRs.

Google map API: You can calculate directions (using a variety of methods of transportation) by using the Direction service object. This object communicates with the Google Maps API Directions Service which receives direction requests and returns computed results. You may either handle these directions results yourself or use the Direction renderer object to render these results.

HTML CODE:

<script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyCcmnjzkVJTP7\_M3-Y9b0KbKcIAq6begRs&sensor=true"></script>

<body>

<div id="control">

<h3><center><b>Get Directions</b></center></h3>

<hr/>

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

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

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

</div>

<div id="directions-panel"></div>

<div id="map-canvas" style="height:500px;width:100%;"></div>

</body>

CSS3 CODE:

html, body #map-canvas{

height: 100%;

margin: 0;

padding: 0;

}

#directions-panel {

position: absolute;

top: 212px;

left:32.5%;

margin-left: -180px;

z-index: 5;

background-color: #fff;

padding: 5px;

border: 1px solid #999;

}

#control {

position:left;

background: #fff;

padding: 5px;

font-size: 14px;

font-family: Arial;

border: 1px solid #ccc;

box-shadow: 0 2px 2px rgba(33, 33, 33, 0.4);

display: none;

}

JAVASCRIPTCODE:

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

initialize(41.850033, -87.6500523);

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

displayRoute();

});

});

var directionsDisplay;

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

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)

};

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

mapOptions);

directionsDisplay.setMap(map);

directionsDisplay.setPanel(document.getElementById('directions-panel'));

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

control.style.display = 'block';

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

}

function displayRoute() {

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

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

var request = {

origin: start,

destination: end,

travelMode: google.maps.TravelMode.DRIVING

};

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

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

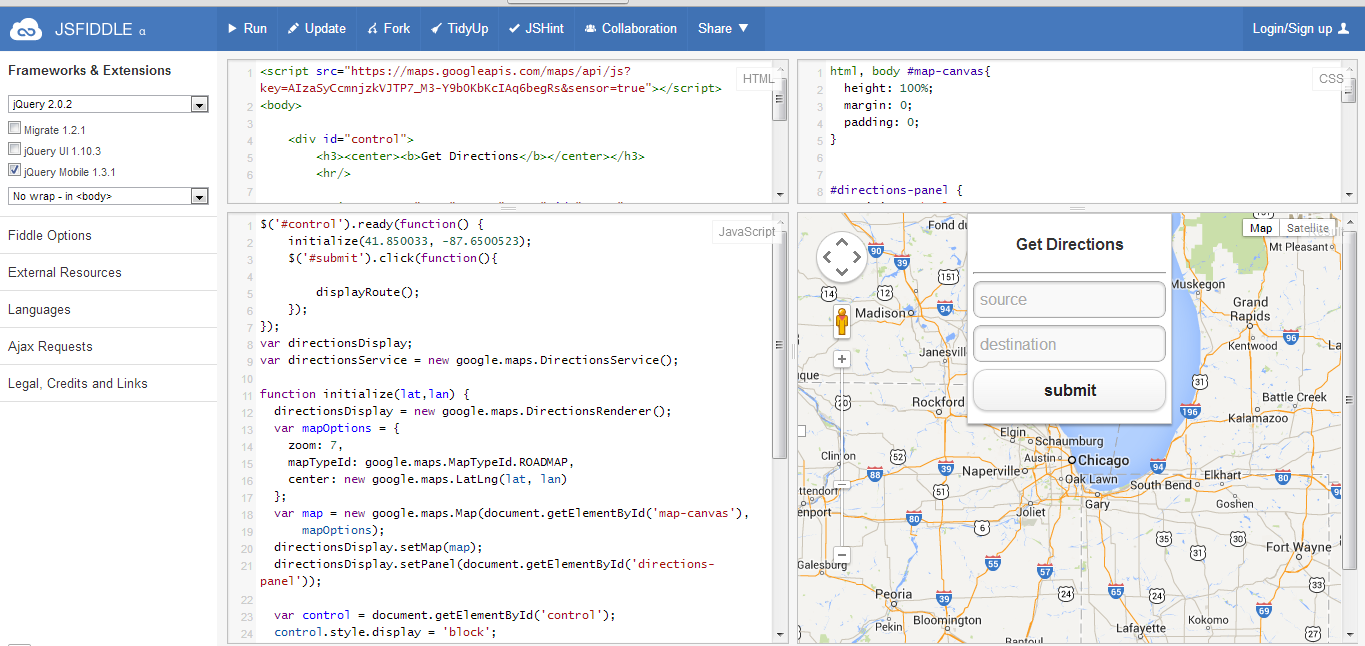
directionsDisplay.setDirections(response);

}

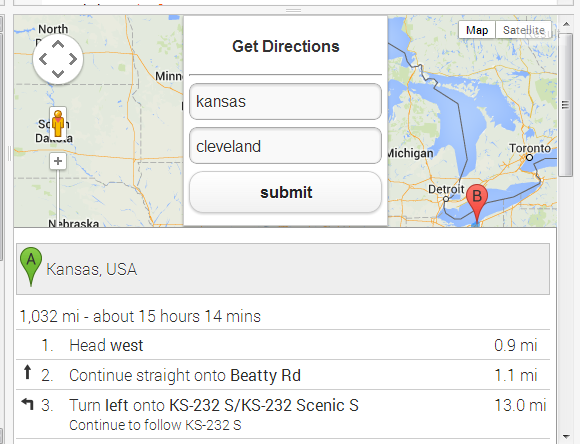
});

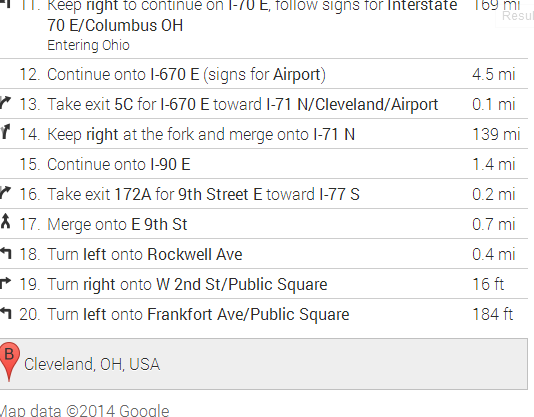
}

The below is the screenshot of my application when we don’t enter places:



When we enter places and click on submit button we get the following result:



  <http://jsfiddle.net/92jqK/1/> is my output link