Google **Developers**

Products   Google Maps API   Google Maps JavaScript API v3

Waypoints in directions

Start: Halifax, NS ▼
Waypoints:
(Ctrl-Click for multiple selection)

Montreal, QBC ▲
Toronto, ONT
Chicago
Winnipeg ▼

End: Vancouver, BC ▼
Submit

View this example full screen.

JavaScript | JavaScript + HTML

```javascript
var directionsDisplay;
var directionsService = new google.maps.DirectionsService();
var map;

function initialize() {
  directionsDisplay = new google.maps.DirectionsRenderer();
  var chicago = new google.maps.LatLng(41.850033, -87.6500523);
  var mapOptions = {
    zoom: 6,
    center: chicago
  }
  map = new google.maps.Map(document.getElementById('map-canvas'), mapOptions);
  directionsDisplay.setMap(map);
}

function calcRoute() {
  var start = document.getElementById('start').value;
  var end = document.getElementById('end').value;
  var waypts = [];
  var checkboxArray = document.getElementById('waypoints');
```

```javascript
      for (var i = 0; i < checkboxArray.length; i++) {
        if (checkboxArray.options[i].selected == true) {
          waypts.push({
              location:checkboxArray[i].value,
              stopover:true});
        }
      }

      var request = {
          origin: start,
          destination: end,
          waypoints: waypts,
          optimizeWaypoints: true,
          travelMode: google.maps.TravelMode.DRIVING
      };
      directionsService.route(request, function(response, status) {
        if (status == google.maps.DirectionsStatus.OK) {
          directionsDisplay.setDirections(response);
          var route = response.routes[0];
          var summaryPanel = document.getElementById('directions_panel');
          summaryPanel.innerHTML = '';
          // For each route, display summary information.
          for (var i = 0; i < route.legs.length; i++) {
            var routeSegment = i + 1;
            summaryPanel.innerHTML += '<b>Route Segment: ' + routeSegment + '</b><br>';
            summaryPanel.innerHTML += route.legs[i].start_address + ' to ';
            summaryPanel.innerHTML += route.legs[i].end_address + '<br>';
            summaryPanel.innerHTML += route.legs[i].distance.text + '<br><br>';
          }
        }
      });
    }

    google.maps.event.addDomListener(window, 'load', initialize);
```

Last updated March 17, 2015.