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# Displaying an Interactive Map (Cont.)

This example is the same as the one of the previous slide:  [Display the Map!]

Line-by-line explanations of the code are given as follows (cont.):

## Line 30: mapTypeControl: false,

The `mapTypeControl` enables/disables the Map Type [control](#) that lets the user toggle between map types (such as Map and Satellite). By default, this control is visible and appears in the top right corner of the map.

## Line 31: navigationControlOptions: {

The Navigation control displays a large pan/zoom control as used on Google Maps. This control appears in the top left corner of the map. Adjust the size of this control within the Map options object upon setup.

## Line 32: style: google.maps.NavigationControlStyle.SMALL

It displays a mini-zoom control, consisting of only + and - buttons.

## Line 36: var map = new google.maps.Map(
## Line 36:         document.getElementById (

The `Map` constructor creates a new map inside a specified HTML element (typically a `<div>` element).

## Line 38: var marker = new google.maps.Marker ( {

The `Marker` constructor creates a marker.

## Line 39: position:latlon, map:map, title:"You are here!" } );

The following fields are commonly set when constructing your marker:

- position (required)—specifies a <u>LatLng</u> identifying the initial location of the marker.
- map (optional)—specifies the <u>Map</u> object on which to place the marker.

```
01  <!DOCTYPE HTML>
02  <html>
03   <body>
04    Click the button to display the map:
05    <button onClick="getLocation( )">Display the Map!</button>
06    <p id="mapholder"></p>
07
08    <script src="http://maps.google.com/maps/api/js?sensor=false"></script>
09    <script>
10     var  mapholder = document.getElementById( "mapholder" );
11
12     function  getLocation( ) {
13      if ( navigator.geolocation )
14       navigator.geolocation.getCurrentPosition( showPosition );
15      else
16       mapholder.innerHTML = "Geolocation is not supported by this browser.";
17     }
18
19     function  showPosition( position ) {
20      lat      = position.coords.latitude;
21      lon      = position.coords.longitude;
22      latlon   = new google.maps.LatLng( lat, lon );
23      mapholder.style.height = '250px';
24      mapholder.style.width  = '400px';
25
26      var  myOptions = {
27       center: latlon,
28       zoom: 14,
29       mapTypeId: google.maps.MapTypeId.ROADMAP,
30       mapTypeControl: false,
31       navigationControlOptions: {
32        style: google.maps.NavigationControlStyle.SMALL
33       }
34      };
35
36      var  map = new google.maps.Map( document.getElementById (
37       "mapholder" ), myOptions );
38      var  marker = new google.maps.Marker ( {
39       position:latlon, map:map, title:"You are here!" } );
40     }
41    </script>
42   </body>
43  </html>
```

# Demonstration

The following demonstration shows how the HTML5 script is displayed on the Web.

[Display the HTML]    [Reset]

```
<html>
 <head><title>HTML Working Area</title></head>
 <body>
  <script src="http://maps.googleapis.com/maps/api/js?
sensor=false">
  </script>
  <script>
   var amsterdam = new google.maps.LatLng( 52.395715,
4.888916 );
   function initialize( ) {
    var mapProp = {
     center: amsterdam,
     zoom: 7,
     mapTypeId: google.maps.MapTypeId.ROADMAP
    };

    var map = new google.maps.Map(
    document.getElementById("googleMap"), mapProp );
```

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