

[Slide 12.10: HTML5 Geolocation API](#)[Slide 12.12: Handling Geolocation errors and rejections](#)[Home](#)

Using HTML5 Geolocation

The [getCurrentPosition](#) method is used to get the user's position. The example below is a simple Geolocation example returning the latitude and longitude of the user's position:

1. Activate the JavaScript function `getLocation` by the event [onClick](#).
2. Check if [window.navigator.geolocation](#) is supported.
3. If supported, run the `getCurrentPosition` method.
4. If not supported, display a message to the user at the location found by [document.getElementById.innerHTML](#).
5. If the `getCurrentPosition` method is successful, it calls a callback function specified in its argument (`showPosition` in this example) with a [position](#) object which stores the returned location information.
6. The asynchronous callback function `showPosition` retrieves and displays the latitude and longitude from the attribute [coordinates](#) of the position object.

```
<!DOCTYPE HTML>
<html>
<body>
  Click the button to get your coordinates:
  <button onClick="getLocation( )">Get the Position!</button>
  <p id="demo"></p>

  <script>
    var x = document.getElementById( "demo" );

    function getLocation( ) {
      if ( navigator.geolocation )
```

```
    navigator.geolocation.getCurrentPosition( showPosition );
else
    x.innerHTML = "Geolocation is not supported by this browser.";
}

function showPosition( position ) {
    x.innerHTML = "Latitude: " + position.coords.latitude;
    x.innerHTML += "Longitude: " + position.coords.longitude;
}
</script>
</body>
</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>

Click the button to get your coordinates:
<button onClick="getLocation( )">Get Them!</button>
<p id="demo"></p>

<script>
var x = document.getElementById( "demo" );

function getLocation( ) {
    if ( navigator.geolocation )
        navigator.geolocation.watchPosition( showPosition );
    else
        x.innerHTML = "Geolocation is not supported by this
browser.";
}
```

Slide 12.10: HTML5 Geolocation API

Slide 12.12: Handling Geolocation errors and rejections

[Home](#)



