

POST-CLASS LEARNING AND PRACTICE 4.6: CODE ADDITIONAL HTML5 APIs.

Lesson Objective 4.6:

Code additional HTML5 APIs.

Additional learning resources:

MSDN®:

Geolocation: [http://msdn.microsoft.com/en-us/library/gg589499\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/gg589499(v=vs.85).aspx)

Web Workers: [http://msdn.microsoft.com/en-us/library/ie/hh673568\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/ie/hh673568(v=vs.85).aspx)

WebSockets: [http://msdn.microsoft.com/en-us/library/ie/hh673567\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/ie/hh673567(v=vs.85).aspx)

Other resources (books, e-reference):

HTML5 Rocks - Geolocation API:

http://www.html5rocks.com/en/tutorials/geolocation/trip_meter/

What is a WebSocket?: <http://websocket.org/>

HTML5 Rocks – The Basics of Web Workers:

<http://www.html5rocks.com/en/tutorials/workers/basics/>

Resources, software, and additional files needed for this lesson:

1. Microsoft® Expression® Web 4 (preferred) or Notepad (Notepad++ is preferred; it provides real-time feedback for JavaScript).

Student activity:

Directions to the student:

Read the following scenario and complete the activities. Verify your answers with the instructor.

Scenario:

The Coho Winery has recently purchased an additional winery in the valley. While trying to consolidate the resources of the two companies, the owner realizes that the website needs to be update to reflect the recent acquisition. Previously, website visitors could get driving directions to the Coho Winery from the "Contact Us" page by simply allowing website access to their location. Now, users must first choose which winery they wish to visit, and then the web page displays the appropriate directions to the selected winery.

Content:

1. Create an HTML5 page that uses the new Geolocation API. Include a test for browser support.
2. Add logic to allow the user to choose which winery to visit.
3. Use this information with the user's current location to retrieve a map with directions to the selected winery.

KEY 4.6: CODE ADDITIONAL HTML5 APIs.

Content:

1. Create an HTML5 page that uses the new Geolocation API. Include a test for browser support.
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3. Use this information with the user's current location to retrieve a map with directions to the selected winery.

Use this link to launch Bing Maps for Developers:

<http://www.microsoft.com/maps/developers/web.aspx>

Answers will vary. Use the resources from the lesson to find similar examples.