

# HTML Interview Questions

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# Online Resources



The Coursera logo features the word "coursera" in a blue, lowercase, sans-serif font. The letter "c" is stylized with a circular loop.



The Pluralsight logo is set against a black background. The word "pluralsight" is written in a lowercase, sans-serif font, with "plurals" in white and "sight" in orange. Below it, the phrase "hardcore developer training" is written in a smaller, white, lowercase, sans-serif font. To the right of the text is an orange circular icon containing a white play button symbol.

- Why do u need doctype?
- What is the use of data-\* attribute?
- What is the difference between HTML4 and HTML5?
- Describe the difference between a cookie, sessionStorage and localStorage.
- Can you explain the difference between GET and POST?
- What is “Semantic HTML?”
- Describe the difference between <script>, <script async> and <script defer>.
- Why is it generally a good idea to position CSS <link>s between <head></head> and JS<script>s just before </body>?
- What are optional closing tag? and why would u use it?
- What is the difference between SVG and <Canvas>?

Q: Why do u need doctype?

A: Defines the version of html the document is using,  
and inform the browser about how browser should render it.

`<!DOCTYPE html>`

Compared to:

`<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"  
"http://www.w3.org/TR/html4/strict.dtd">`



Q: What is the use of data-\* attribute?

A: Allow you to store extra information/ data in the DOM.  
JavaScript can easily access by dataset

Q: What is the difference between HTML4 and HTML5?

A:

HTML4 vs HTML5

- more semantic text markup: <header>, <footer>, <article>, and <section>.
- new form elements: number, date, time, calendar, and range.
- video and audio
- new javascript API: <SVG> and <canvas>
- new communication API
- geolocation API
- web worker API
- new data storage

Q:Describe the difference between a cookie, sessionStorage and localStorage.

A: Cookies are for storing small amounts of website data, such as a user name. HTML5 Web Storage is a faster, improved means of storing website data. sessionStorage is for temporary data, and localStorage is for persistent data.

window.localStorage - stores data with no expiration date, per domain

window.sessionStorage - stores data for one session (data is lost when the tab is closed)

Q: Can you explain the difference between GET and POST?

A: They are two types of HTTP requests. GET represents a specific resource. Should not have and side effect like insert/update because they may be requested by robots. GET use url to send data. POST represent actions on resources, like insert/update/delete. They usually sent from HTML form. Large data could be sent by POST. Data is send along with HTTP header, instead of data of GET in the URL.



Q: What is “Semantic HTML”?

A: Semantic HTML is a coding style where the tags embody what the text is meant to convey. In Semantic HTML, tags like `<b></b>` for bold, and `<i></i>` for italic should not be used, reason being they just represent formatting, and provide no indication of meaning or structure. The semantically correct thing to do is use `<strong></strong>` and `<em></em>`. These tags will have the same bold and italic effects, while demonstrating meaning and structure (emphasis in this case).

Q: Describe the difference between `<script>`, `<script async>` and `<script defer>`?

A: The `<script>` tag is used to define a client-side script, such as a JavaScript.

If `async="async"`: The script is executed asynchronously with the rest of the page (the script will be executed while the page continues the parsing)

If `async` is not present and `defer="defer"`: The script is executed when the page has finished parsing

If neither `async` or `defer` is present: The script is fetched and executed immediately, before the browser continues parsing the page.

Q: Why is it generally a good idea to position CSS <link>s between <head></head> and JS<script>s just before </body>?

A:

Reference: <https://www.udacity.com/course/website-performance-optimization--ud884>

The image shows a book cover with a light blue background and faint architectural line drawings. The title 'Website Performance Optimization' is in a large, bold, dark blue font. Below it, the subtitle 'The Critical Rendering Path' is in a smaller, bold, dark blue font. The book is shown at a slight angle.

**Website Performance Optimization**

**The Critical Rendering Path**



Q: What is the difference between SVG and <Canvas>?

A: <Canvas> is an element that manipulates two-dimensional (2D) pixels while (SVG) Scalable Vector Graphics works in 2D and three-dimensional (3D) vectors

Canvas	SVG
<ul style="list-style-type: none"><li>• Resolution dependent</li><li>• No support for event handlers</li><li>• Poor text rendering capabilities</li><li>• You can save the resulting image as .png or .jpg</li><li>• Well suited for graphic-intensive games</li></ul>	<ul style="list-style-type: none"><li>• Resolution independent</li><li>• Support for event handlers</li><li>• Best suited for applications with large rendering areas (Google Maps)</li><li>• Slow rendering if complex (anything that uses the DOM a lot will be slow)</li><li>• Not suited for game applications</li></ul>



Q: What are optional closing tag? and why would u use it?

A: p, li, td, tr, th, html, body, etc. you don't have to provide end tag. Whenever browser hits a new tag it automatically ends the previous tag. However, you have to be careful to escape it.

```
<p>Some text  
<p>Some more text  
<ul>  
  <li>A list item  
  <li>Another list item  
</ul>
```

```
<p>Some text</p>  
<p>Some more text</p>  
<ul>  
  <li>A list item</li>  
  <li>Another list item</li>  
</ul>
```

# Homework

## Orange Udacity Mug



### Main Features

- Holds your favorite drink
- Energizing color
- Reminds you to learn

### A Good Way to Start a Day

Bacon ipsum dolor sit amet shoulder drumstick spare ribs shank, magna in sirloin. Turducken dolore tempor irure tenderloin pork belly shankle. Excepteur in strip steak pork chop voluptate tongue, hamburger nostrud kevin enim nulla ut cow incididunt. Do pancetta swine hamburger incididunt in excepteur irure pig labore est venison dolor ex adipisicing. Labore capicola veniam, commodo corned beef ut non rump swine pork chop exercitation ball tip ham deserunt.

Ad tri-tip short loin anim beef ribs eu ball tip velit deserunt frankfurter sunt nisi filet mignon. Pork loin quis ham hock mollit cupidatat. Id ground round chuck jerky meatball laborum frankfurter short loin in biltong t-bone doner ea irure. Culpa ex ut id. Nostrud t-bone bresaola pariatur qui tri-tip pork chop, ribeye irure velit pork et in dolore.

Bacon in sunt dolor fatback excepteur turkey chuck velit proident frankfurter quis. Nisi shank sirloin sed tenderloin. Magna short ribs kielbasa biltong minim. In esse t- bone est tail kielbasa dolor ullamco tongue mollit sint sirloin chuck venison anim. Short ribs dolore adipisicing, bresaola venison cupidatat short loin turducken biltong leberkas andouille elit ad in occaecat. Ground round pariatur cupidatat ham hock magna tempor ea jowl duis.