A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A close-up of a computer code

Description automatically generated

A screenshot of a web page

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer code

Description automatically generatedA yellow and blue sign with black text

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screen shot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer program

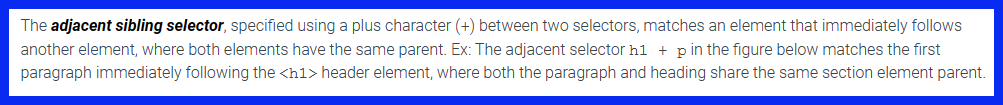
Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer code

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA close-up of a text

Description automatically generatedA blue and white rectangle with black text

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer program

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer program

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer program

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

**Notes on debugging:**

* What is debugging?
  + **Debugging is the process of resolving either unintended or unexpected behaviors by examining code as it runs.**
* What are the two main types of HTML errors you will encounter?
  + **Syntax Errors: Errors in the interpretation of your code, usually resulting in nasty exceptions or wild behavior.**
    - **Ex: Having a typo in the call “Console.leg(“Hello World”)” would be a syntax error.**
  + **Logic Errors: Errors made by the programmer in the logical control flow that introduce unexpected behavior**
    - **Ex: Having a for-loop run 4 times instead of 5, leading to early exits and incomplete data checking.**
* What is the W3C markup validation service?
  + **A free online code checker that will determine what errors may occur and help you resolve them.**
* How do you access the DevTools?
  + **Usually by pressing F12, however you can right-click and say “Inspect” or get there through settings menus as well.**
* What is the rules view?
  + **The Rules View shows you what CSS rules are applied and from where:**
* How do you add a new property?
  + **In the element.style section, you can click and it will allow you to enter new properties and values, which change the page in real time.**
* What are the three components of the debugging process?
  + **Find: Discover the unexpected behavior you want to change**
  + **Identify: Determine what is causing the unexpected behavior**
  + **Fix: Implement a fix that will prevent the unexpected behavior from happening again.**
* What is the Chrome DevTools?
  + **Chrome Devtools are a suite of tools designed to help every aspect of the web development process**
* What programming languages can the Chrome DevTools help debug?
  + **Usually HTML, CSS, and Javascript**
* What are some methods for opening the Chrome DevTools?
  + **Usually by pressing F12, however you can right-click and say “Inspect” or get there through settings menus as well.**
* How can you open the Chrome DevTools commandment menu?
  + **Ctrl+Shift+P while DevTools is open**
* What are the differences between HTML and the DOM?
  + **HTML is the language of a webpage and the source file itself, while the DOM is the actual visible structure of a webpage’s elements which may have been modified with JS.**
* Which DevTools panel shows how the DOM currently looks in the web page?
  + **Elements (Open by default)**
* What does the elements panel represent on the website?
  + **It represents the DOM and shows you what elements currently exist in the browser for that particular page.**
* What keyboard shortcuts can be used within the elements panel?
  + **Ctrl+F to search through elements**
* How can you determine whether an anchor tag is being overwritten?
  + **Check the Rules Tab for what is overwriting it, or the Elements Tab for which element exists where it should be.**
* Which pane displays where CSS styles are being applied to an element?
  + **The Rules Tab**
* What is a root folder for a website?
  + **The root folder for a website is the top level folder seen within the “Sources” panel displaying what files have been accessed to generate the page.**
* Which indicator is used to signify that files are successfully mapped to files on a disk?
  + **A little green dot over the icon of the open file in the Sources panel.**
* Which keyboard shortcut can you use to save changes in workspaces?
  + **Ctrl+S (Save)**
* What is CSS cascading and specificity?
  + **CSS Cascading is the idea that rules in CSS are applied from top to bottom. When files are read, rules are applied overtop of each other, and the last written rule that applies of the same specificitywill be applied.**
  + **Specificity is the concept that some selectors in CSS are more specific than others. The order goes as follows from most specific to least specific:**
    - **!important label: If you see an !important label on a value, it will ALWAYS apply unless another !important is lower in the file applying to the same element.**
      * **Ex: h1 {color: red !important;}**
    - **In-Line Styles: Styles declared directly in an element’s Style attribute**
      * **Ex: <h1 style=”color: red;”>Hello</h1>**
    - **Id’s: Since ID’s should be unique on a page, these are considered very specific**
      * **Ex: #myId{color: red;} for the element <p id=”myId”>Hello</p>**
    - **Classes: Since classes are used to group similar elements, they are slightly more specific than tags, but can appear many times**
      * **Ex: .myClass{color:red;} for the element <p class=”myClass”>Hello</p>**
    - **Tags: Tags are the most basic selector and are considered very non-specific**
      * **Ex: h1{color:red;} for <h1>Hello</h1>**

**More info on specificity**[**here**](https://www.w3schools.com/css/css_specificity.asp)**, you will NOT need to calculate it. Just know what it is and the order.**

* What can you use to determine how much of a CSS file is used by a web page?
  + **In DevTools, open “More Tools -> Coverage” and it will give a graph of how much of a CSS file is actually applied currently.**
* What indicates if a particular rule is applied to a web page?
  + **If the line is green next to the rule when you open the CSS file**

**Instructor E-mail**

We record every **Practical HTML & CSS cohort series** session on Saturday mornings. Links to the latest recorded sessions are [**HERE**](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA00c000000YhbICAS). You can also get to that page through the Announcements link from the C779 Course of Study page.

**More specific HTML/XML Material:**

[HTML Introduction](https://www.w3schools.com/html/html_intro.asp) – Knowing the definition, basic structure, and terminology related to HTML documents (tag vs. element vs. content)

[HTML Basic](https://www.w3schools.com/html/html_basic.asp) – Knowing the DOCTYPE and what it does

[HTML Elements](https://www.w3schools.com/html/html_elements.asp) – Knowing about HTML nesting and empty elements

[HTML Attributes](https://www.w3schools.com/html/html_attributes.asp) – Knowing the concept of the key/value pairs of attribute/value and what they accomplish conceptually

[HTML Headings](https://www.w3schools.com/html/html_headings.asp) – Knowing the order of <h\_> tags, and what they accomplish

[HTML Styles](https://www.w3schools.com/html/html_styles.asp) – Knowing about the style attribute for inline CSS styling (Not necessarily the CSS syntax yet)

[HTML Formatting](https://www.w3schools.com/html/html_formatting.asp) – Knowing the different format elements, specifically the difference between strong/b and em/i

[HTML Comments](https://www.w3schools.com/html/html_comments.asp) – Knowing the syntax for writing an HTML comment

[HTML Colors](https://www.w3schools.com/html/html_colors.asp) – Knowing the 6 different methods for applying colors and how they differ

[HTML CSS](https://www.w3schools.com/html/html_css.asp) – Knowing the 3 methods on how to **apply**CSS to an HTML document, whatever that CSS may be

[HTML Links](https://www.w3schools.com/html/html_links.asp) – Knowing the required attributes and what the target attribute accomplishes

[HTML Images](https://www.w3schools.com/html/html_images.asp) – Knowing the required attributes

[HTML Tables](https://www.w3schools.com/html/html_tables.asp) – Knowing how to determine table row and column structure from looking at code, as well as the different sub-elements and attributes for them  (Specifically colspan/rowspan and border-collapse)

[HTML Lists](https://www.w3schools.com/html/html_lists.asp) – Knowing the difference between UL/OL and how to modify their look through attributes

[HTML Block & Inline](https://www.w3schools.com/html/html_blocks.asp) – Knowing the difference between block-level and inline display and the most common defaults

[HTML Classes](https://www.w3schools.com/html/html_classes.asp)/[HTML ID’s](https://www.w3schools.com/html/html_id.asp) – Knowing the difference between classes and ID’s, and when you would use either.

[HTML File Paths](https://www.w3schools.com/html/html_filepaths.asp) – Knowing the difference between “Absolute” and “Relative” file paths and how to use relative ones.

[HTML Head](https://www.w3schools.com/html/html_head.asp) – Knowing how it differs from HTML body and what sorts of elements go in it.

[HTML Semantics](https://www.w3schools.com/html/html5_semantic_elements.asp) – Knowing what semantic elements are and what they accomplish over non-semantic elements

[HTML Entities](https://www.w3schools.com/html/html_entities.asp) – Knowing what character entities are for and why we would use them.

Forms

* [HTML Forms](https://www.w3schools.com/html/html_forms.asp) – Knowing the whole section on what constitutes a form
* [HTML Form Attributes](https://www.w3schools.com/html/html_forms_attributes.asp) – Knowing the attributes you can apply to the form wrapper
* [HTML Form Elements](https://www.w3schools.com/html/html_form_elements.asp) – Knowing all except optgroup
* [HTML Input Types](https://www.w3schools.com/html/html_form_input_types.asp) – Knowing them all and potential advantages/disadvantages of them
* [HTML Input Attributes](https://www.w3schools.com/html/html_form_attributes.asp) – Knowing the attributes you can apply to the input elements themselves

HTML Graphics

* [HTML Canvas](https://www.w3schools.com/html/html5_canvas.asp) – Knowing what an HTML Canvas Element does
* [HTML SVG](https://www.w3schools.com/html/html5_svg.asp) – Knowing what an SVG is and how they work

HTML Media

* [HTML Video](https://www.w3schools.com/html/html5_video.asp) – Knowing what HTML video elements require, options they have, and why there are multiple sources
* [HTML Audio](https://www.w3schools.com/html/html5_audio.asp) – Knowing these are essentially identical to video elements, with different file sources

XML

* [XML Introduction](https://www.w3schools.com/xml/xml_whatis.asp) – Knowing the difference between XML and HTML, and what XML is conceptually
* [XML Attributes](https://www.w3schools.com/xml/xml_attributes.asp) – What they are and how they work
* [XML Parser](https://www.w3schools.com/xml/xml_parser.asp) – What an XML parser is and how they change data into XML format

**More specific CSS Material:**

[CSS Syntax](https://www.w3schools.com/css/css_syntax.asp) – Knowing the different components of a CSS rule by name and position (Selector, Property, Value)

[CSS Selectors](https://www.w3schools.com/css/css_selectors.asp) – Knowing the different types of selectors, how elements relate to each other like a family tree (combinators), pseudo-classes (style rules applied conditionally based on something you do to an element, or something about an element), and pseudo-elements (Sub-elements that can’t be accessed any other way)

[CSS Box Model](https://www.w3schools.com/css/css_boxmodel.asp) – Knowing the different components and how the Box Model relates elements to one another positionally, and how to measure full widths/heights.

[CSS Border Shorthand](https://www.w3schools.com/css/css_border_shorthand.asp) – This is a subcomponent of the box model. If you learn the border shorthand (Clockwise top, right, bottom, left) and how it groups together sides with different numbers of values, it applies to padding, margin, and outline as well.

[CSS Display](https://www.w3schools.com/css/css_display_visibility.asp) – Knowing how to hide elements, and the difference between in-line and block displays

[CSS Position](https://www.w3schools.com/css/css_positioning.asp) – Knowing how this property affects the position of elements and relates them to each other

[CSS Float](https://www.w3schools.com/css/css_float.asp) – Knowing how float works and shifts elements from one side of a page to another. Knowing about clearing a float.

[CSS Specificity](https://www.w3schools.com/css/css_specificity.asp) – **Very important**topic explaining how and when CSS Rules which select the same element apply. It is not always the last rule applied.

[CSS Units](https://www.w3schools.com/css/css_units.asp) – Knowing the difference between

[CSS 2D Transforms](https://www.w3schools.com/css/css3_2dtransforms.asp) – Know the different methods available to transform existing HTML elements display

[CSS 3D Transforms](https://www.w3schools.com/css/css3_3dtransforms.asp) – A section that adds the 3D transform methods, know how they differ from 2D.

[CSS Animations](https://www.w3schools.com/css/css3_animations.asp) – A section on animations that they ask about frequently on the exam. It will require memorization of the animation shorthand/properties and what they accomplish. This one is pretty difficult so don’t hesitate to reach out with questions.

[CSS Flexbox](https://www.w3schools.com/css/css3_flexbox.asp) – Essentially a responsive container similar to grids, but only on the x-axis. Read through all sections.

[CSS Grids](https://www.w3schools.com/css/css_grid.asp) – Everything in the grid section here will help you understand how elements changes their displays responsive to the viewing device, and how to shift the layout accordingly.

[CSS Media Queries](https://www.w3schools.com/css/css3_mediaqueries.asp) – Understand what a Media Query is and how to determine if one is active.

[CSS Frameworks](https://www.w3schools.com/css/css_rwd_frameworks.asp) – Read the Bootstrap section to better understand what it is actually doing.

Here are some additional resources. I have highlighted the ones I feel would be most useful for you:

Individual Study Guides:

1. [Markup Language and Website Development](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9RPCAY)
2. [HTML5 Coding](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x0000015O9MCAU)
3. [CSS and Graphics](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9QMCAY&)
4. [Hyperlinks](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9OQCAY)
5. [Tables](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9OVCAY)
6. [Web Forms](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x0000015O9bCAE)
7. [Video, Audio, and Image Techniques](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9OuCAI)
8. [Extending HTML](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9OfCAI)

Some videos:

* [HTML5 Coding Fundamentals](https://www.linkedin.com/learning/html-essential-training-4/the-role-of-html?autoplay=true&resume=false&u=2045532); (Lesson 2)
* [CSS Fundamentals](https://www.linkedin.com/learning/introduction-to-css-14934735/what-is-css?autoplay=true&resume=false&u=2045532); (Lesson 5)
* [Advanced CSS](https://www.linkedin.com/learning/design-the-web-html-background-video/positioning-the-logo-over-the-video?autoplay=true&resume=false&u=2045532); (Lesson 6)
* [XML Fundamentals](https://www.linkedin.com/learning/xml-essential-training-2/what-is-xml?autoplay=true&resume=false&u=2045532); (Lesson 4)
* [Validating Web Code](https://youtu.be/I98MaARkdho). (Lesson 7)

1. **Complete the Labs (2.10 – 2.14)** from the Zybooks course material **for module 2**, HTML Fundamentals.
2. **Complete the Labs (3.10 – 3.13)** from the Zybooks course material **for module 3**, More HTML.
3. **Complete the Labs (5.9 – 5.13)** from the Zybooks course material **for module 5**, CSS Fundamentals.
4. **Complete the Labs (6.12 – 6.16)** from the Zybooks course material **for module 6**, More CSS.

Watch these videos: watch as many in each course as you feel is helpful

* [HTML5 Coding Fundamentals](https://www.linkedin.com/learning/html-essential-training-4/the-role-of-html?autoplay=true&resume=false&u=2045532); (Lesson 2)
* [CSS Fundamentals](https://www.linkedin.com/learning/introduction-to-css-14934735/what-is-css?autoplay=true&resume=false&u=2045532); (Lesson 5)
* [Advanced CSS](https://www.linkedin.com/learning/design-the-web-html-background-video/positioning-the-logo-over-the-video?autoplay=true&resume=false&u=2045532); (Lesson 6)
* [XML Fundamentals](https://www.linkedin.com/learning/xml-essential-training-2/what-is-xml?autoplay=true&resume=false&u=2045532); (Lesson 4)
* [Validating Web Code](https://youtu.be/I98MaARkdho). (Lesson 7)

View these individual study plan:

1. [Markup Language and Website Development](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9RPCAY)
2. [HTML5 Coding](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x0000015O9MCAU)
3. [CSS and Graphics](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9QMCAY&)
4. [Hyperlinks](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9OQCAY)
5. [Tables](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9OVCAY)
6. [Web Forms](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x0000015O9bCAE)
7. [Video, Audio, and Image Techniques](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9OuCAI)
8. [Extending HTML](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9OfCAI)

1. **Quizzes**(NEW):
   1. *Go to*[*quizzets.com*](https://quizzets.com/)
   2. *Register for free*
   3. *Go to****Courses****and click****Web Development Foundations***
   4. *Click****View Quizzes****or scroll down to see them*
   5. *Select the****D276 tab***
   6. *Complete the****D276 quizzes****(9 of them).*
      1. *It's best to have quiz****scores of 85% or better****to show good course competency.*

**Another email from staff:**

The key to this course is to cover all course concepts, regardless of your web development experience. I recommend you use the [w3schools.com](http://w3schools.com/) website as a reference to prepare for your OA attempt.

**Labs**:

The best way to learn this material is through a hands-on activity. The labs in the zybooks material are a good option, but I don't recommend relying too heavily on the auto-grading feature there. If you complete a lab and have questions about your code, please let me know, and I will review your code and provide feedback.

**Quizzes**(NEW):

*We have a NEW supplemental resource repository for our students. There are****D276 quizzes available****there.*

·        *Go to*[*quizzets.com*](https://quizzets.com/)***(not quizlets),****register for free*

·        *check the Web Development Foundations content****(D276 tab)***

·        ***(10) D276 practice quizzes***

·        ***D276 Code Examples quiz***

·        ***D276 Dynamic OA Simulation quiz***

·        *There are also****Flashcards****available there to help with terminology.*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Please watch the following videos**

·        [HTML document structure](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=45495ed2-dcb2-4400-a61c-b06d0019c055)

·        [Basic HTML elements](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=9bac3ad5-71e9-4a4a-8855-b06d015a539c)

·        [HTML Comment](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=4edd6c0a-13e7-44b0-bad8-b06d015e4d01)

·        [Lists](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=89d73d66-9b9d-46a9-9105-afda011a95d5)

·        [Tables](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=d334a378-6255-4148-87b6-afdb00125ea6)

·        [Images](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=1ab81428-1c80-47ec-a738-afdb0016edee)

·        [Links](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=230fc9ca-8f30-4931-935a-afdc011fc66f)

·        [CSS Combinators](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=d6166c32-95a4-451f-8936-b02300dac153)

·        [CSS Specificity](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=b2b22ad5-16ef-4f1d-b46f-b02300f051c7)

·        [CSS Position](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=d7b27b82-b9c6-4b9a-88da-b035003dac96)

·        [CSS Animation](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=c6223087-41be-4fd0-b06b-b035015ba61c)

·        [CSS Padding and Margins](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=e926aca3-6196-4bf9-a3bf-b03801057ebc)

·        [CSS Border Radius](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=20d938e7-e39c-4bb6-aa40-b03d0120b3c6)

·        [CSS @Media Rule](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=960f7b8e-e37d-4a15-a5f0-b062010b2450)

·        [Finding Total Width and Height](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=475b8655-54da-40de-a8d9-b03c00399d2c)

·        [XML](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=01dcce4b-1535-48f0-9f8b-b03c015c1f8b)

**Please read the following:**

·        [Demystified HTML & CSS](https://quizzets.com/public/tutorial/demystified/)

**Please watch the Linkedin Learning Videos**

·        [Web Technology Fundamentals Video](https://www.linkedin.com/learning/web-development-foundations-web-technologies/welcome?u=2045532)

·        [HTML Essential Training Video](https://www.linkedin.com/learning/html-essential-training-4/what-is-html?u=2045532)

·        [CSS Essential Training Video](https://www.linkedin.com/learning/css-essential-training-3/html-and-css?u=2045532)

·        [CSS Layouts: From Float to Flexbox and Grid](https://www.linkedin.com/learning/css-layouts-from-float-to-flexbox-and-grid/grid-vs-flexbox?u=2045532)

·        [CSS Animation](https://www.linkedin.com/learning/css-animation-14153685/css-animation-advantages?u=2045532)

·        [Bootstrap](https://www.linkedin.com/learning/bootstrap-5-essential-training/the-most-popular-framework?u=2045532)

·        [Learn Chrome Web Development Tool](https://www.linkedin.com/learning/learning-chrome-web-developer-tools-2/streamlining-development-with-chrome-devtools-22186777?u=2045532)

·        [Learn Firefox Web Development Tool](https://www.linkedin.com/learning/learning-enterprise-web-application-performance/using-firefox-developer-tools?u=2045532)

·        [Media Queries](https://www.linkedin.com/learning/responsive-layout/media-queries?u=2045532)

I wanted to provide you with some additional quizzes to help you prepare for the OA. Please see below.

**Practice Quizzes:**

·        [D276 Practice Quiz #1: HTML Fundamentals](https://wguashkin.github.io/D276-Practice-Quiz--1--HTML-Fundamentals/)

·        [D276 Practice Quiz #2: More HTML](https://wguashkin.github.io/D276-Practice-Quiz-2/)

·        [D276 Practice Quiz #3: XML Fundamentals](https://wguashkin.github.io/D276-Practice-Quiz-3/)

·        [D276 Practice Quiz #4: CSS Fundamentals](https://wguashkin.github.io/D276-Practice-Quiz-4/)

·        [D276 Practice Quiz #5: Debugging Processes and Testing Tools](https://wguashkin.github.io/D276-Practice-Quiz-5/)

·        [D276 CSS Specificity](https://wguashkin.github.io/D276-CSS-Specificity-Quiz/)

·        [D276 CSS Combinators](https://wguashkin.github.io/D276-Combinators-Quiz/)

·        [D276 CSS Animation](https://wguashkin.github.io/D276-CSS-Animation-Quiz/)

·        [D276 Finding the Total Width and Height](https://wguashkin.github.io/D276-Finding-Total-Width-and-Height/)

·        [D276 CSS @Media Rule](https://wguashkin.github.io/D276-CSS-Media-Rule/)

·        [D276 Practice Questions](https://wguashkin.github.io/D276-Practice-Questions/)

**Flash Card Game and Escape Room (optional)**

·        [**D276 Flash Card Game**](https://wguashkin.github.io/D276-Flash-Card-Game/)

·        [**D276 Escape Room**](https://wguashkin.github.io/D276-Escape-Room/)

Also – look at [Puralsight.com](https://app.pluralsight.com/), and there are many helpful videos on everything CSS. I recommend going there and logging in with your WGU credentials. Then, search for the concepts that you want to learn more about. I saw a few videos on Flexbox and Advanced CSS features that look very helpful.

Remember, we also have the [Demystified HTML & CSS tutorial on Quizzets.com](https://quizzets.com/tutorial/demystified) and the resources at [w3schools.com](https://www.w3schools.com/) to help.

**Once you have completed this, I highly recommend meeting with your CI before you take the OA.  Students who do have a better chance of passing the OA**

**When you take the objective assessment, remember that you have two hours to complete it. Be sure to take advantage of this time. Carefully read and re-read every question to ensure you understand what is being asked. If you are not sure of an answer, try to rule out two responses.**

Watch this video on [Test-Taking Strategies and Practice](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=05ee487e-86ce-4e74-b973-ad64012cbfdb) (36 min).

**What is the total width and height of the paragraph element?**

P {

Padding: Top Padding 6px, Left/Right padding 10px, Bottom Padding 18px;

Height: 30px;

Width: 70px

Border: 4px solid #000000;

}

The total width and height of the paragraph element can be calculated as follows:

* Width of an element = (left border width + left padding width + content width + right padding width + right border width)
* Height of an element = (top border height + top padding height + content height + bottom padding height + bottom border height)

Given the CSS style for the paragraph element, we can calculate the width and height as follows:

* Width of the paragraph element = (
* Left Border 4px +
* Left Padding 10px +
* content width 70px +
* right padding width 10px +
* right border width 4px)
* = **98px**
* Height of the paragraph element = (4px + 6px + 30px + 18px + 4px) = **62px**

Therefore, the total width and height of the paragraph element are **98px** and **62px**, respectively.

* Height of an element = (top border height + top padding height + content height + bottom padding height + bottom border height)

Given the CSS style for the paragraph element, we can calculate the width and height as follows:

* Width of the paragraph element = (4px + 10px + 70px + 10px + 4px) = **98px**
* Height of the paragraph element = (4px + 6px + 30px + 18px + 4px) = **62px**

Therefore, the total width and height of the paragraph element are **98px** and **62px**, respectively.