

Quiz 1 Study Guide: Spring 2023

For your first quiz, you will be asked to complete a series of HTML and CSS tasks, which will be similar to the exercises you will complete in the practice quiz. To study for the quiz, please review the slides, required readings, and exercise files from Weeks 1-4. I have summarized the topics that you will be quizzed on below:

1. How the Web / Internet Work

Please be prepared to explain what the following terms mean and what they do / why they're important (in your own words).

- Browser
- Server
- Search engine
- Semantic tags
- Screen reader
- Domain name
- URL
- Relative v. absolute file paths
- The difference between the Internet and the Web

2. File Organization

- Know the naming conventions (**all lowercase**, no spaces, no special characters other than underscores and hyphens).
- Know how to specify **relative paths** (linking between files in different folders).
- Know the difference between **relative paths** and **absolute paths**.

3. HTML

- Know the HTML [Rules of Thumb](#)
- Be familiar with the basic HTML tags we've been working with, including:
 - [Images](#)
 - [Hyperlinks](#) (absolute, relative, and internal)
 - [Paragraph and header tags](#) (<h1>...<h6>)
 - Embedding [iFrames](#)
 - [Semantic tags](#) (<header>, <nav>, <section>, <article>, <footer>, <aside>)
 - [Ordered and unordered lists](#) (,)
- Know how to make a comment (<!-- your comment here -->)

- Know how to link to a style sheet
- Know what goes in the `<head></head>` section and what goes in the `<body></body>`.
- Know how to make an HTML file and a CSS file from scratch using VS Code (like you did in Tutorial 3).

4. CSS Basics

- Know the CSS [Rules of Thumb](#)
 - Know how to use the following 5 selectors: id, class, element, descendent, direct child.
 - id example: `#myElement { ... }`
 - class example: `.myClass { ... }`
 - element example: `h1 { ... }`
 - descendent example: `nav a { ... }`
 - direct child example: `nav > a { ... }`
- To Practice:
- Play the [CSS Diner Game](#)
 - Review the CSS Selector slides ([Topic 5](#))
- Know how to set some common properties:
 - Box model properties (**width, height, padding, margin, border**)
 - Color properties (**color, background-color**)
 - Font properties (**font-family, font-weight, etc.**)
 - Know how to make a comment (`/* your comment here */`).

5. Be familiar with the different types of CSS Units

Units	Description	Example
px	An absolute unit. About 0.0104 inches tall/wide.	width: 300px;
pt	An absolute unit. About 0.0139 inches tall/wide.	font-size: 12pt;
em	Relative to the font-size of the parent element (2em means 2 times the parent element's font size).	font-size: 2em;

rem	Relative to font-size of the root html element (2rem means 2 times the html element's font size).. See em v. rem CodePen.	font-size: 2rem;
fr	"Fractional units" of the available space (within the parent element).	grid-template-columns: 1fr 1fr 40px 20%;
vw	Relative to 1% of the width of the viewport (size of browser window)	width: 30vw;
vh	Relative to 1% of the height of the viewport (size of browser window)	width: 10vw;
%	Relative to the parent element	width: 100%;

