



AFS

Agile Full Stack
Developer Bootcamp
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HTML

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HTML - Hyper Text Markup Language

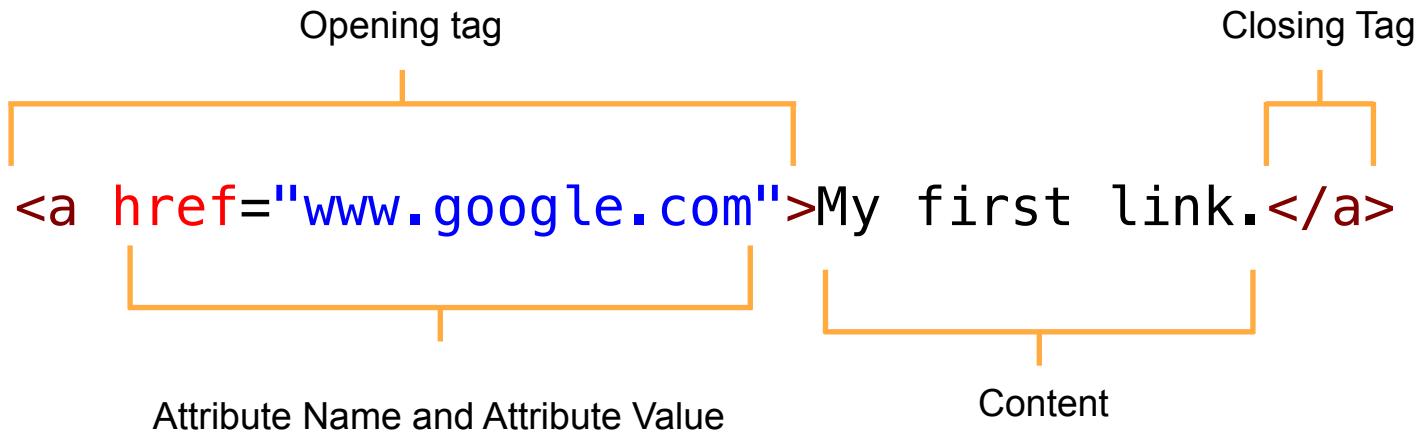
```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>

  <body>
    <h1>My First Heading</h1>
    <p>My first paragraph.</p>
  </body>
</html>
```

My First Heading

My first paragraph.

HTML Elements



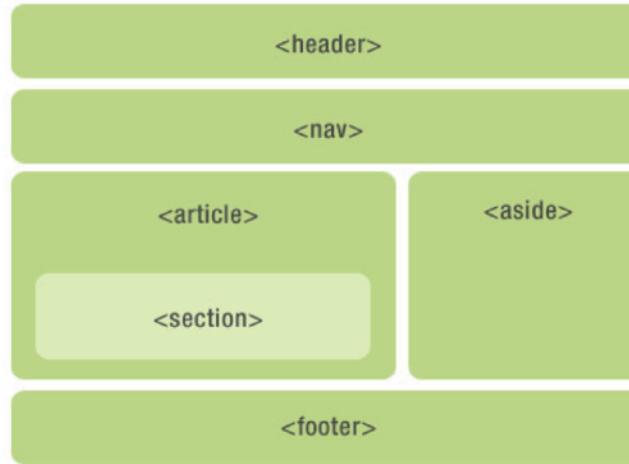
Semantic Elements

Examples of **non-semantic** elements:

`<div>` and `` - Tells nothing about its content.

Examples of **semantic** elements:

`<header>`, `<nav>`, `<article>`, `<aside>`,
`<footer>`, `<section>` - Clearly defines its content.





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CSS (Cascading Style Sheets)

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Without CSS

CSS Zen Garden

The Beauty of CSS Design

A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example [HTML file](#) and [CSS file](#)

The Road to Enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, broken CSS support, and abandoned browsers.

We must clear the mind of the past. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WaSP, and the major browser creators.

The CSS Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the time-honored techniques in new and

So What is This About?

There is a continuing need to show the power of CSS. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the [HTML](#) remains the same, the only thing that has changed is the external [CSS](#) file. Yes, really.

CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what beauty from structure. Designers and coders alike have contributed to the beauty of the web; we can always push it further.

Participation

Strong visual design has always been our focus. You are modifying this page, so strong CSS skills are necessary too, but the example files are commented well enough that even [Resource Guide](#) for advanced tutorials and tips on working with CSS.

With CSS



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SO WHAT IS THIS ABOUT?

MID CENTURY MODERN
by Andrew Lohman

GARMENTS
by Dan Mall

STEEL
by Steffen Knoeller

APOTHECARY
by Trent Walton

SCREEN FILLER
by Elliot Jay Stocks

FOUNTAIN KISS
by Jeremy Carlson

With Different CSS



A demonstration of what can be accomplished through CSS-based design.
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Select a Design

• [Mid Century Modern](#)
by Andrew Lohman

• [Garments](#)
by Dan Mall

• [Steel](#)
by Steffen Knoeller

• [Apothecary](#)
by Trent Walton

• [Screen Filler](#)
by Elliot Jay Stocks

• [Fountain Kiss](#)
by Jeremy Carlson

• [A Robot Named Jimmy](#)
by meltmedia

• [Verde Moderna](#)
by Dave Shea

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CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly be, once the reins are placed in the hands of those able to create beauty from structure. Designers and coders alike have contributed to the beauty of the web; we can always push it further.

Three Ways to Insert CSS

External CSS

```
<!DOCTYPE html>
<html>
<head>

<link rel="stylesheet" type="text/css"
      href="mystyle.css">

</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

Internal CSS

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
    background-color: linen;
}

h1 {
    color: maroon;
    margin-left: 40px;
}
</style>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

Inline CSS

```
<!DOCTYPE html>
<html>
<body>

<h1 style="color:blue;text-align:center;">
This is a heading
</h1>

<p style="color:red;">
This is a paragraph.
</p>

</body>
</html>
```

CSS Selector Specificity

A CSS selector is the first part of a CSS Rule.

It is a pattern of elements and other terms that tell the browser which HTML elements should be selected to have the CSS property values inside the rule applied to them.

Types of selectors

- Type selectors, Class selectors, ID selectors
- ...

```
<h1>Heading1</h1>
<div class="box">
  <p>Text in .box</p>
</div>
<p>Text not in .box</p>
<form id="form">This is a form</form>
```

ID selectors > class selectors > type selectors

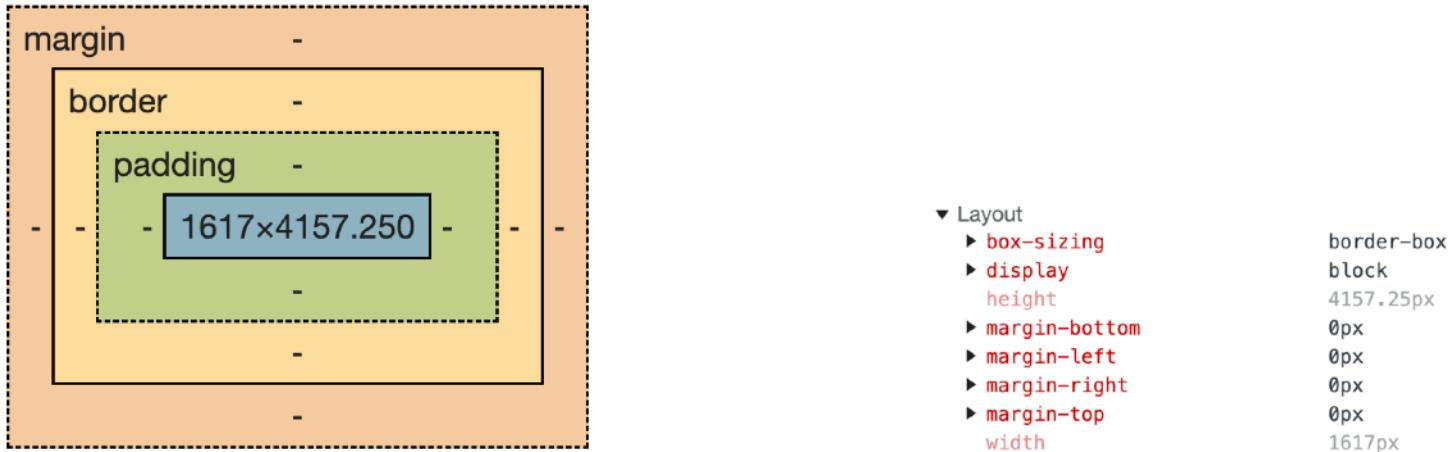
!important

inline style



https://developer.mozilla.org/en-US/docs/Learn/CSS/Building_blocks/Selectors

Box Model



https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout



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Thank You !

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