

HTML and CSS

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HTML

HTML: Hyper-Text Markup Language

- HTML displays mostly **static** contents.
- Many contents of dynamic webpages cannot be found anywhere in html
 - Example: google maps
- Understanding what's static and what's dynamic in a webpage is a crucial first step for web scraping

A simplest html file

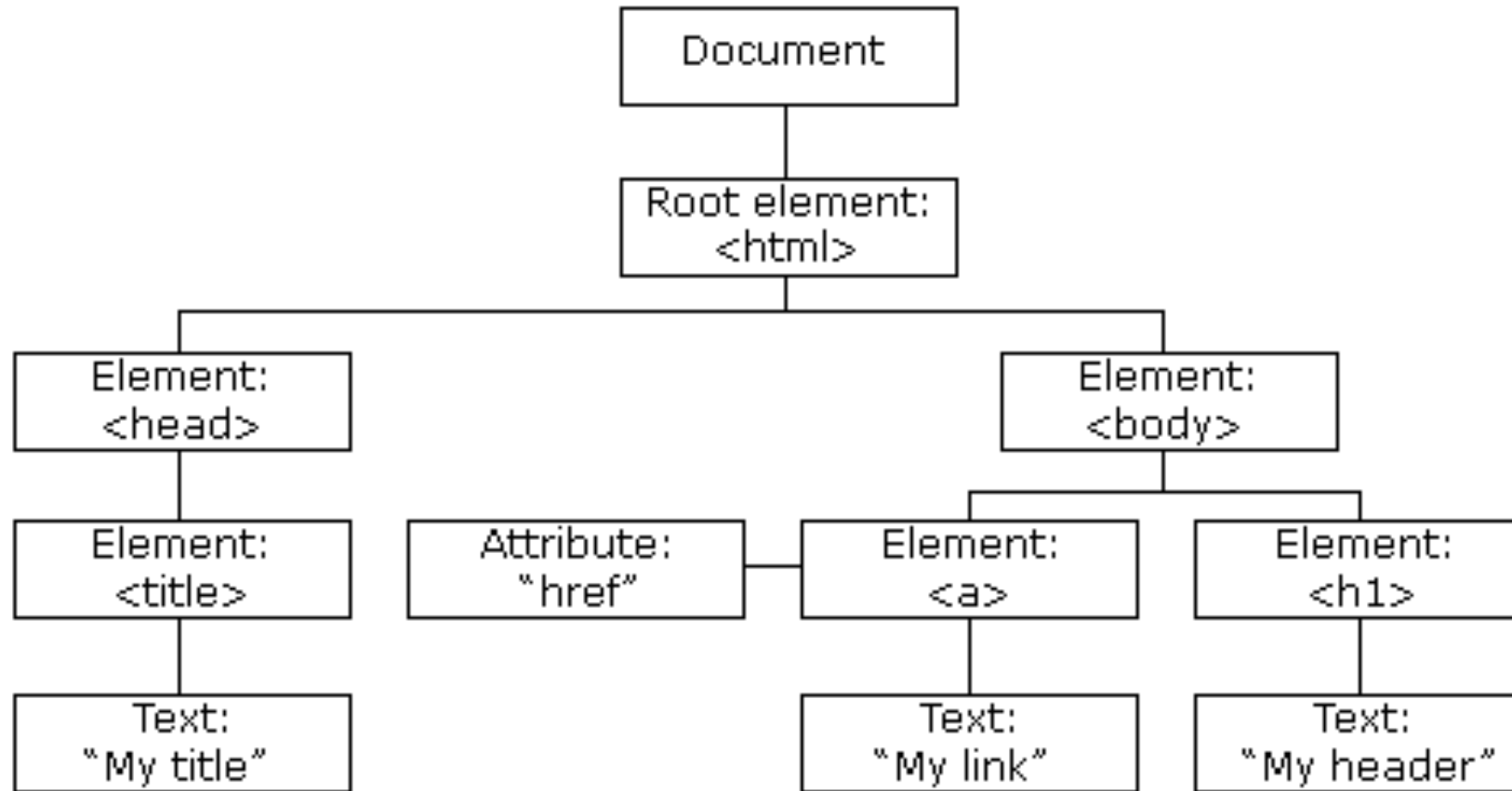
https://www.w3schools.com/html/tryit.asp?filename=tryhtml_intro

```
<!DOCTYPE html>
<html>
<head>
    <title>Page Title</title>
</head>
<body>
    <h1>My First Heading</h1>
    <p>My first paragraph.</p>
</body>
</html>
```

Another simple html file

```
<!DOCTYPE html>
<html>
<head>
  <title>My Title</title>
</head>
<body>
  <h1>My Header</h1>
  <a href="http://github.com">My link</a>
</body>
</html>
```

HTML Structure



Frequent html tags

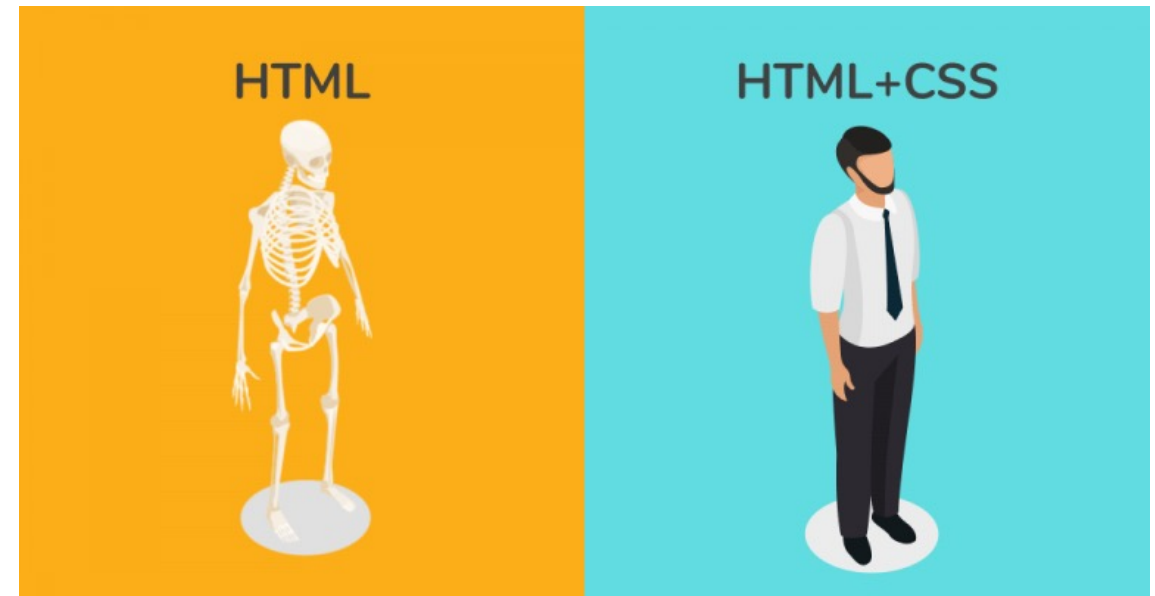
<h1> - <h6>	Heading
<p>	Paragraph
<i> or 	Italic / Emphasis
 or 	Bold / Strong
<a>	Anchor (link)
 & 	Unordered List & List Item
 & 	Ordered List & List Item
<blockquote>	Blockquote
	Image
<div>	Division
	Span

Beyond HTML

1. Cascading Style Sheets (CSS)

Describes formatting of HTML components, useful for us!

2. Javascript: adds functionalities to the website (e.g. change content/structure after website has been loaded)



 InterviewBit

From: <https://www.interviewbit.com/blog/difference-between-html-and-css/>

CSS Selector

We use it to select particular element from a webpage:

- selecting by tag-name
 - example html code: `<h3>This is the main item</h3>`
 - selector: `h3`
- selecting by class
 - example html code: `<div class='itemdisplay'>This is the main item</div>`
 - selector: `.itemdisplay`
- selecting by id
 - example html code: `<div id='maintitle'>my main title</div>`
 - selector: `#maintitle`

CSS Selector

- selecting by tag structure

- example html code: (link inside div tag) `<div>Google Link</div>`

- selector: `div a`

Rerefernece: https://www.w3schools.com/cssref/css_selectors.asp