Globant
we are ready

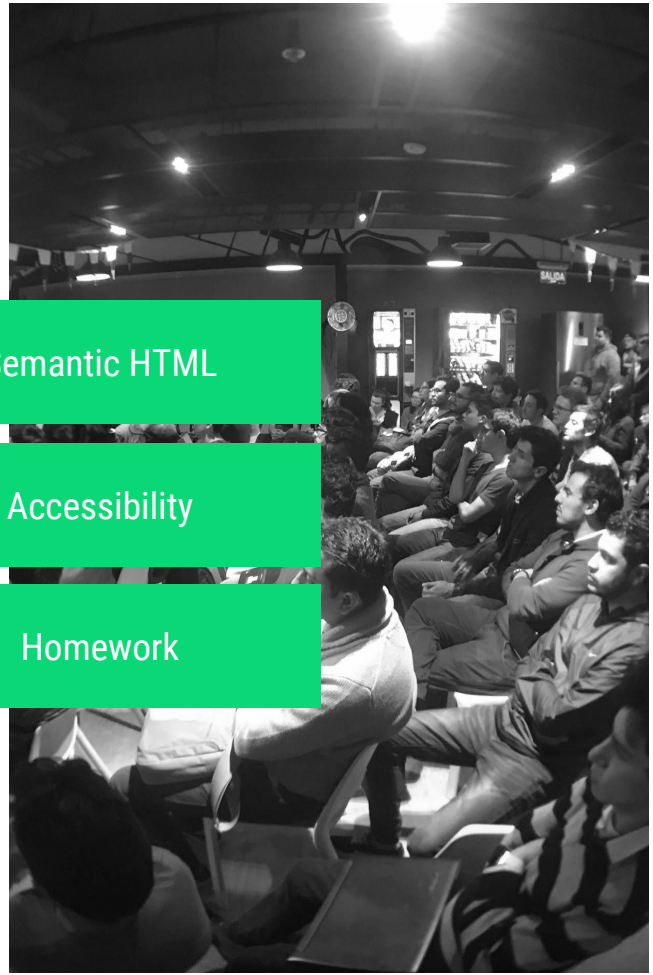
UI Engineering Studio. Day 3

Bootcamp: HTML

Globant

HyperText Markup Language

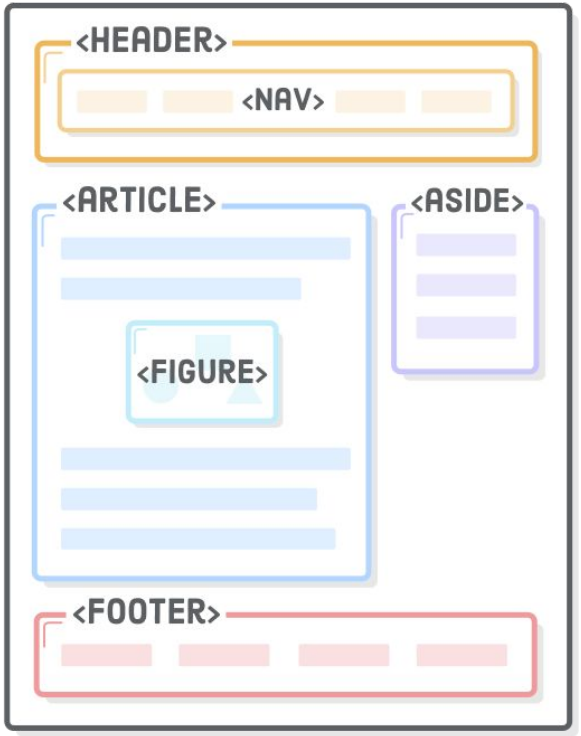
HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items



- Semantic HTML
- Accessibility
- Homework

UI Boot Camp: HTML

Semantic HTML



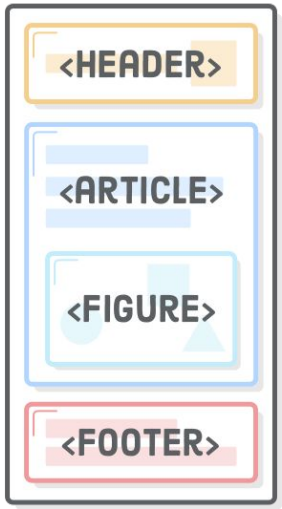
UI Boot Camp: Semantic HTML

```
<aside class='sidebar'>
  <h2>Sidebar</h2>
  <p>Some sidebar content</p>
  <nav>
    <h3>HTML &amp;amp; CSS Tutorial</h3>
    <ul>
      <li><a href='#'>Introduction</a></li>
      <li><a href='#'>Basic Web Pages</a></li>
      <li><a href='#'>etc...</a></li>
    </ul>
  </nav>
  <nav>
    <h3>JavaScript Tutorial</h3>
    <ul>
      <li><a href='#'>Introduction</a></li>
      <li><a href='#'>Hello, JavaScript</a></li>
      <li><a href='#'>etc...</a></li>
    </ul>
  </nav>
</aside>
```

UI Boot Camp: Semantic HTML

AMBIGUOUS STRUCTURE

(AKA "<DIV> SOUP")



IDENTIFIABLE SECTIONS

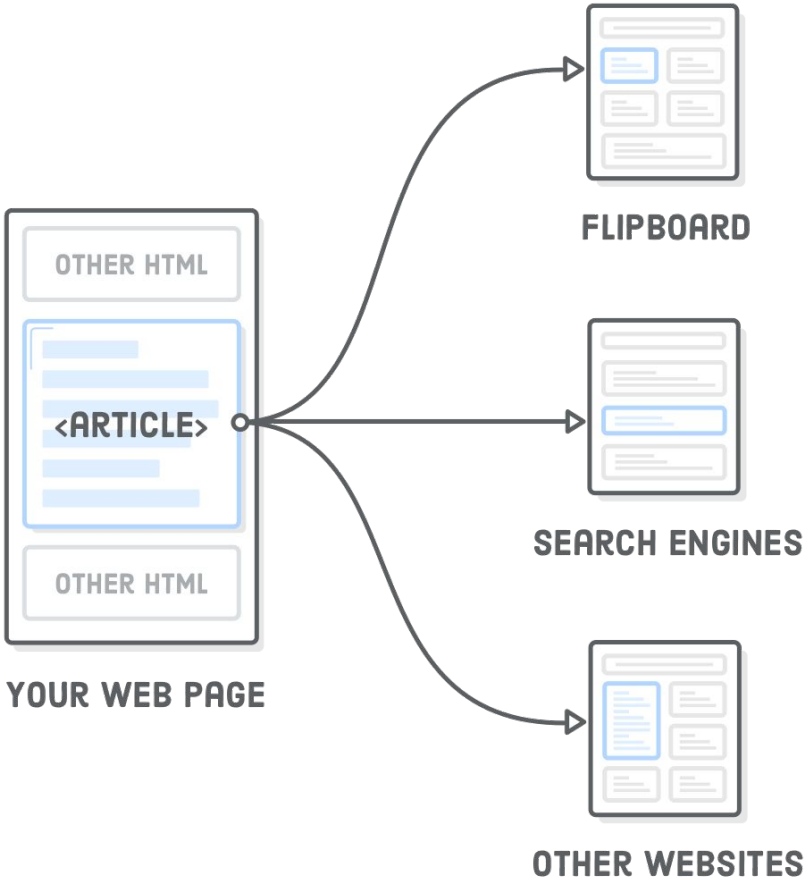
(AKA "SEMANTIC MARKUP")

UI Boot Camp: Semantic HTML

Article

Represents an **independent** article in a web page. It should **only wrap content that can be plucked out** of your page and distributed in a completely different context

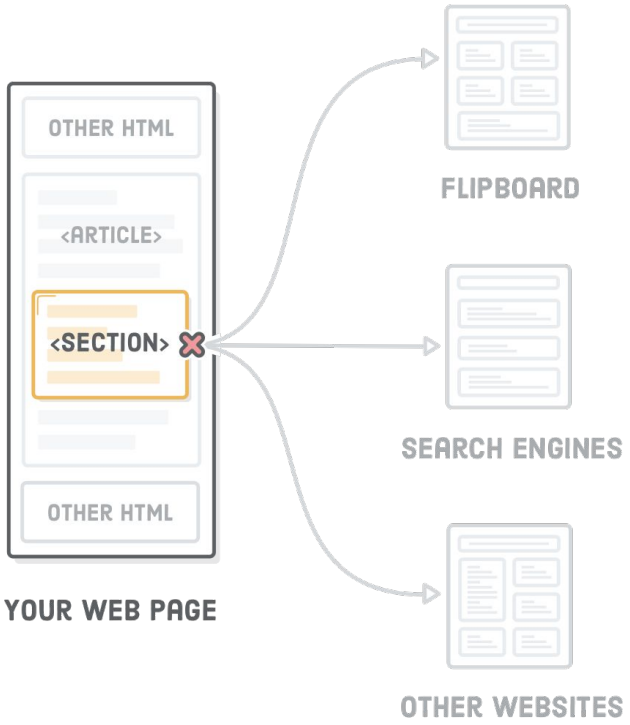
There could be more than one <article /> tags



UI Boot Camp: Semantic HTML

Section

Sort of like an <article /> tag but the content does not have to make any sense outside the context of the document



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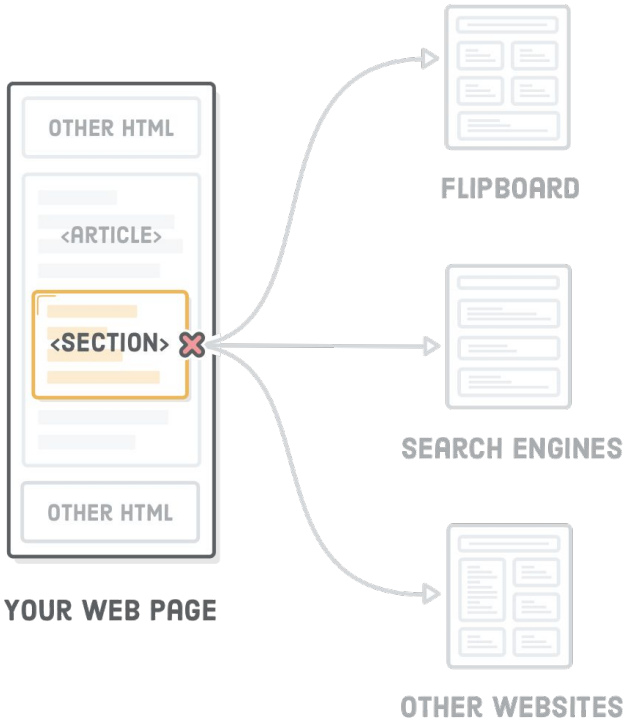
Section

<section> element shouldn't be used to manipulate the document outline because browsers, screen readers, and some search engines don't properly interpret the effect of <section> on the document outline. Instead, always define a page's outline via heading levels, using <section> only as a replacement for container 's when appropriate.



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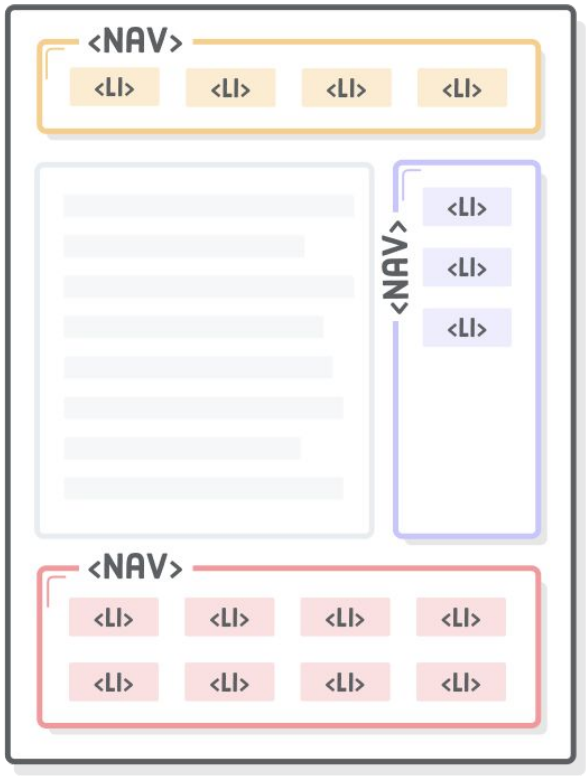
Nav

Nav helps search engines to identify the structure of the entire website, making it easier to discover other pages



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Header

Introductory content for a section, article, or entire web page. It can be anything from your company's logo to navigational aids or author information

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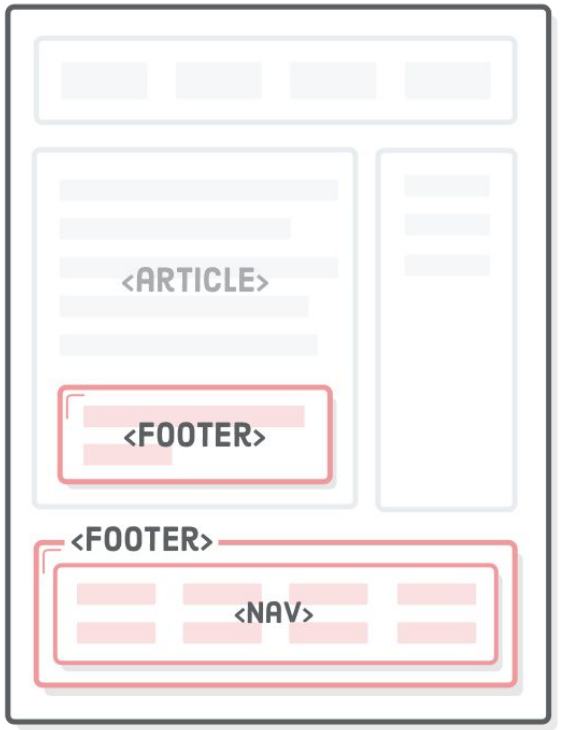
Footer

Common use cases include things like copyright notices, footer navigation, and author bios at the end of blog posts



UI Boot Camp: Semantic HTML

Aside

Content that is not related with the main topic of the page, article or section where it is located

Common use cases are sidebars and advertisement

UI Boot Camp: Semantic HTML

Don’t use HTML5 new semantic elements
just for the sake of using them

UI Boot Camp: Accessibility

Web accessibility for designers

Have all the content fitting a logical heading structure

Consider the reading order

Provide good contrast

Use true text instead of image text

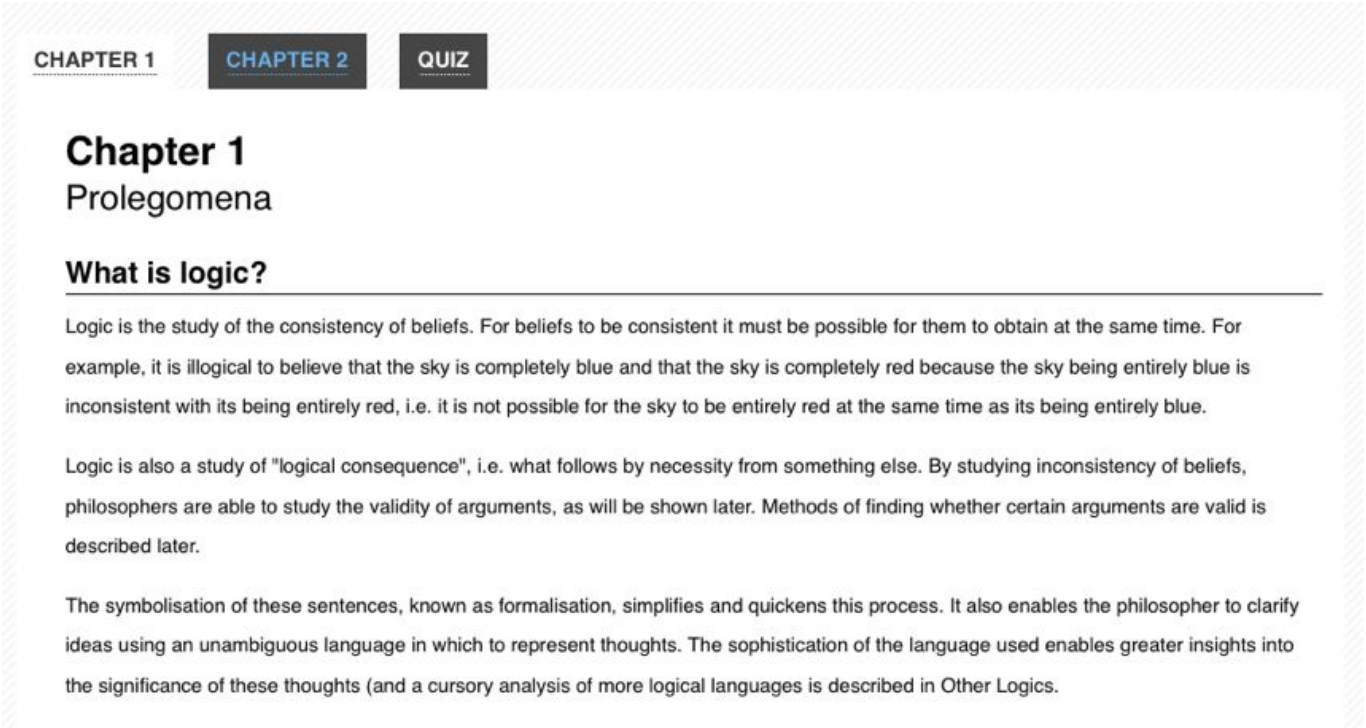
Watch the use of CAPS

Use adequate font size

Use animation, Video and Audio carefully

https://webaim.org/resources/designers/

UI Boot Camp: Accessibility



UI Boot Camp: Accessibility

```
<!-- This is a tabs widget. How would you know, looking only at the markup? -->
<ol>
  <li id="ch1Tab">
    <a href="#ch1Panel">Chapter 1</a>
  </li>
  <li id="ch2Tab">
    <a href="#ch2Panel">Chapter 2</a>
  </li>
  <li id="quizTab">
    <a href="#quizPanel">Quiz</a>
  </li>
</ol>

<div>
  <div id="ch1Panel">Chapter 1 content goes here</div>
  <div id="ch2Panel">Chapter 2 content goes here</div>
  <div id="quizPanel">Quiz content goes here</div>
</div>
```

UI Boot Camp: Accessibility

Aria

```
<!-- We've added role attributes to describe the tab list and each tab. -->
<ol role="tablist">
  <li id="ch1Tab" role="tab">
    <a href="#ch1Panel">Chapter 1</a>
  </li>
  <li id="ch2Tab" role="tab">
    <a href="#ch2Panel">Chapter 2</a>
  </li>
  <li id="quizTab" role="tab">
    <a href="#quizPanel">Quiz</a>
  </li>
</ol>

<div>
  <!-- Notice the role and aria-labelledby attributes we've added to describe these panels. -->
  <div id="ch1Panel" role="tabpanel" aria-labelledby="ch1Tab">Chapter 1 content goes here</div>
  <div id="ch2Panel" role="tabpanel" aria-labelledby="ch2Tab">Chapter 2 content goes here</div>
  <div id="quizPanel" role="tabpanel" aria-labelledby="quizTab">Quiz content goes here</div>
</div>
```

UI Boot Camp: Accessibility

Multiple accessibility attributes

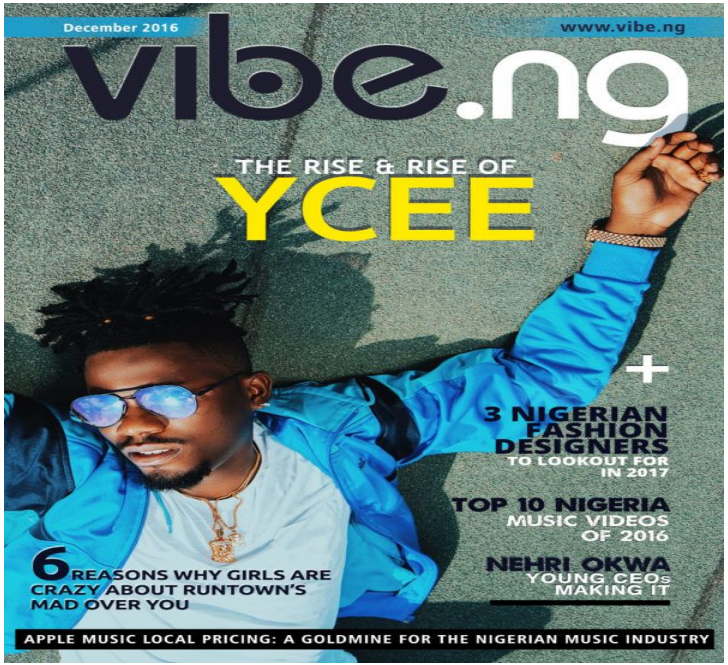
When multiple accessibility attributes are provided, there are selection criterias based on the attribute values. In example, for the <img> tag consider the following list, where the higher the attribute is, the higher it is its value

- aria-labelledby
- aria-label
- alt
- title

```
<img src="/path/to/image.png" alt="" title="some stuff that could be useful" />
```

UI Boot Camp: HTML

Homework: Magazine Cover



UI Boot Camp: HTML

HTML A11Y Form

Develop in HTML a form with WCAG AA standard.

Form:

Should have at least 7 inputs.
Should have at least 3 types of inputs.
Should have at least 3 required fields.
Is not a functional form (no Ajax or js validation)

JS and CSS is not need it.

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