

# So You Want to Learn To Use HTML and CSS

## Chapter 3 – Part A

### Semantics and Phrasing

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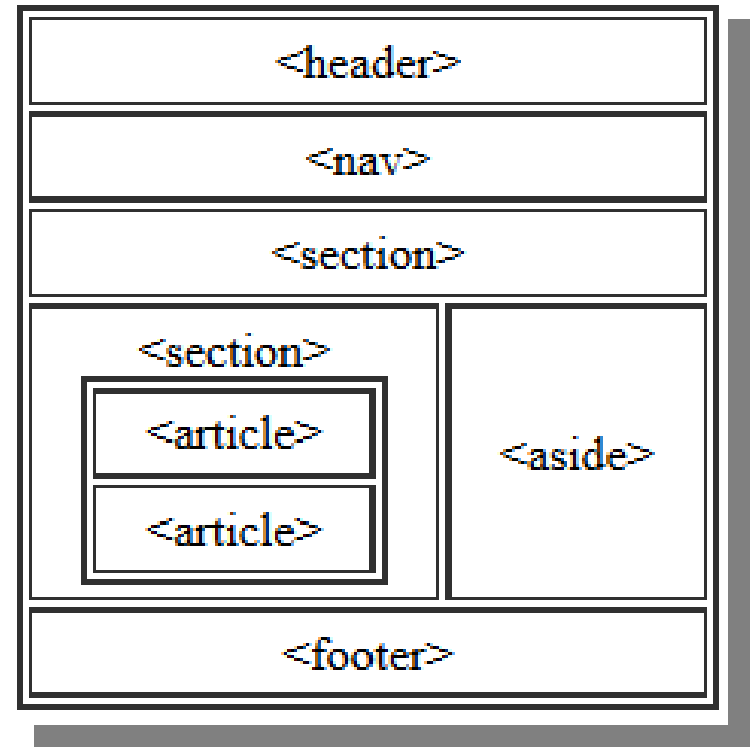
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# In this video we will cover:

- ✓ Flow Tags – Organize the Page
- ✓ `<header>...</header>`, `<main>...</main>`,  
`<footer>...</footer>` - Page top, middle, and bottom
- ✓ `<nav>...</nav>` - Page Navigation
- ✓ `<section>...</section>`
  - Section of a Page
- ✓ `<article>...</article>`
  - Text With a Header
- ✓ `<aside>...</aside>`
  - Additional Information

# Flow Elements

- Flow elements are used to divide other elements into logical groups.
- Flow tags also tell the browser what type of content is in each group.
- Some flow elements can be nested inside some other other flow elements.
- Not proper to put a `<p>` inside another `<p>` or an `<h1>`



# Header, Main, and Footer

```
<header>Page Header Goes Here</header>  
<main>Main Part of Page Goes Here</main>  
<footer>Page Footer Goes Here</footer>
```

- These usually go directly in the `<body>...</body>`,
- If you page has a heading in `<header>...</header>`,
- Copyright, privacy policy, or contact information on the bottom of the page need to be in the `<footer>...</footer>`,
- You may optionally put the rest of your page inside a `<main>...</main>` tag.

# Nav Element

```
<nav>Anchors/Menu go Here</nav>
```

- Menus and other navigational tags can be grouped in the `<nav> . . . </nav>` element.
- *Chapter 4 – Anchors and URLs* will show you how to create the elements inside.

# Section and Article

```
<section>...</section>
```

```
<article>...</article>
```

- Divide your page, especially if it is long, into logical sections.
- If you have a section that needs a header, put it in an article
  - The first child of an article should be an `<h1>...</h1>` to `<h6>...</h6>` tag.
  - This way the heading is contained with the paragraphs and images that go along with it.

# Aside

```
<aside>...</aside>
```

- Typically in a section or article
- Contains text or an image
- Not in the flow of the text but indirectly related

# Example (1 of 2)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Chapter 3 - Blocks</title>
  </head>
  <body>
    <header>
      <h1 style="color:white; background-color: rgb(0,0,90);">Page
with Semantic Structure</h1>
    </header>
    <section>
      <h2>Stories</h2>
      <article>
        <h2>A story about foo:</h2>
        <p>There once was a young foo from the land of Foo. He
went in search of the mystical foo but he forgot his foo
back with his family in the land of Foo.</p>
      </article>
```



## Example (2 of 2)

```
<article>
  <h2>A story about bar:</h2>
  <p>While our foo was looking for the other foo, he stumbled
upon a single bar. The bar asked him "Why in such a rush?"
The foo did not know how to answer and so he just walked
away.</p>
  <p>He was a rude foo.</p>
</article>
</section>
<footer>
  <p>&copy; 2015 The SYW2L Project
<a href="http://www.syw2l.org">http://www.syw2l.org</a></p>
</footer>
</body>
</html>
```

# Page with Semantic Structure

## Stories

### **A story about foo:**

There once was a young foo from the land of Foo. He went in search of the mystical foo but he forgot his foo back with his family in the land of Foo.

### **A story about bar:**

While our foo was looking for the other foo, he stumbled upon a single bar. The bar asked him "Why in such a rush?" The foo did not know how to answer and so he just walked away.

He was a rude foo.

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Example  
(Image)

# Thank you

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