



## WEBD 162

Class 02  
Chapters 4, 5 (p76)

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## Semantic Markup

- ▶ Choose elements that provide a meaningful description of the content
- ▶ Choose elements that give the document structure
- ▶ Elements should not be used for presentation

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## Example HTML5 Web Page

```
<!DOCTYPE html>
```

```
<html lang="en">
```

accessibility

```
<head>
```

```
<meta charset="utf-8">
```

```
<title>Page Title Goes Here</title>
```

displays in tab

```
</head>
```

```
<body>
```

```
... body text and more HTML5 tags go here
```

```
</body>
```

```
</html>
```

content

## Block / Inline Elements

### Block

- ▶ Begins on a new line
- ▶ Some space is added on top and bottom

### Inline

- ▶ Goes with the flow of the content

```
<p>there is content here</p>
```

```
<p>there is content <em>here</em></p>
```

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▶ 3

## Two-Sided / Empty Elements

### Two-Sided

- ▶ Contain content or html elements
- ▶ Have opening and closing tag

```
<p>there is content here</p>
```

### Empty

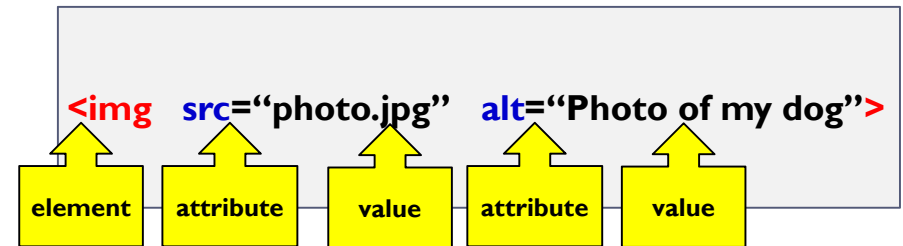
- ▶ Do not have text content
- ▶ Provide a directive to the browser
- ▶ Opening tag only

```
<img> <br> <meta> <hr>  
<img /> <br /> <meta /> <hr />
```

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## HTML Attributes

- ▶ Instructions that clarify or modify an element
- ▶ Go inside the opening tag only



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## Cascading Style Sheets (CSS)

- ▶ Properties that create the visual display
- ▶ Go inside the `<head>` or external file

```
<style>  
body {background-color: #faf2e4; margin: 0 15%; font-family: sans-serif;}  
  
h1 {text-align: center; font-family: serif; font-weight: normal; text-transform: uppercase;  
border-bottom: 1px solid #57b1dc; margin-top: 30px;}  
  
h2 {color: #d1633c; font-size: 1em;}  
</style>
```

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## W3C Validators

- ▶ <http://validator.w3.org>
- ▶ <https://jigsaw.w3.org/css-validator>

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## Heading Element

```
<h1>Heading Level 1</h1>
<h2>Heading Level 2</h2>
<h3>Heading Level 3</h3>
<h4>Heading Level 4</h4>
<h5>Heading Level 5</h5>
<h6>Heading Level 6</h6>
```

# Heading Level 1

## Heading Level 2

### Heading Level 3

#### Heading Level 4

##### Heading Level 5

###### Heading Level 6

## HTML Lists

- ▶ Unordered List
- ▶ Ordered List
- ▶ Description List  
*formerly called a definition list*

## Unordered List Example

```
<ul>
  <li>TCP</li>
  <li>IP</li>
  <li>HTTP</li>
  <li>FTP</li>
</ul>
```

- TCP
- IP
- HTTP
- FTP

## Ordered List Example

```
<ol>
  <li>Apply to school</li>
  <li>Register for course</li>
  <li>Pay tuition</li>
  <li>Attend course</li>
</ol>
```

1. Apply to school
2. Register for course
3. Pay tuition
4. Attend course

## Type and start attribute

```
<ol type="A" start="10">
```

```
<li>Item 1</li>
```

```
<li>Item 2</li>
```

```
</ol>
```

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## Description List

- Useful to display a list of terms or an FAQ list

- **<dl> </dl>**

Contains the description list

- **<dt> </dt>**

Contains a term/phrase/sentence

Configures empty space above and below the text

- **<dd> </dd>**

Contains a description of the term/phrase/sentence

- Indents the text

- Configures empty space above and below the text

IP

Internet Protocol

TCP

Transmission Control Protocol

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## Description List Example

```
<dl>
```

```
<dt>IP</dt>
```

```
<dd>Internet Protocol</dd>
```

```
<dt>TCP</dt>
```

```
<dd>Transmission Control Protocol</dd>
```

```
</dl>
```

IP

Internet Protocol

TCP

Transmission Control Protocol

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