

**HTML + CSS**

level 1

# Review

`<tag />`

`<tag>content</tag>`

`<tag attribute="value">content</tag>`

# Review

`<br />`

`<strong>` *Important message* `</strong>`

`<a href="http://w3.org">` World Wide  
Web Consortium `</a>`

# Review

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
  <head>
```

```
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

```
    <title>My Webpage</title>
```

```
  </head>
```

```
  <body>
```

```
    <!-- Content goes here -->
```

```
  </body>
```

```
</html>
```

# **Week 2 Topics**

- Block Tags vs Inline Tags
- Linking Pages
- Images
- Lists
- Tables

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## **BLOCK-LEVEL**

- Take up all width available
- New line (break) before and after tag

## **INLINE**

- Take up only needed width
- Wraps around;  
no forced link breaks

# BLOCK-LEVEL

- Take up all width available
- New line (break) before and after tag

*e.g.,*

**<p>**

**<br />, <hr />**

**<h1>, <h2>, ... <h6>**

# INLINE

- Take up only needed width
- Wraps around; no forced link breaks

*e.g.,*

**<a>**

**<em>, <strong>**

# Week 2 Topics

- Block Tags vs Inline Tags
- **Linking Pages**
- Images
- Lists
- Tables

## Anchor `<a>` Tag

```
<a href="http://w3.org">World Wide  
Web Consortium</a>
```

## Anchor `<a>` Tag

`<a href="http://w3.org">World Wide  
Web Consortium</a>`

`<a href="page2.html">Next page</a>`

# Working with Paths

**page.html**

*in same folder*

**images/kitty.jpg**

*in 'images' folder*

**../assets/logo.gif**

*up one directory,  
in 'assets' folder*

**/index.html**

*up all directories  
in root folder of domain*

**Opens in same browser window**

```
<a href="http://w3.org">W3C</a>
```

**Opens in NEW window**

```
<a href="http://w3.org" target="_blank">  
W3C</a>
```

# Week 2 Topics

- Block Tags vs Inline Tags
- Linking Pages
- **Images**
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# Image `<img>` Tag

- Inline element
- Empty tag (`<img />`)
- Attributes:
  - **src** url/path of image
  - **alt** alternate text if image can't be shown
  - **width** width of image in pixels
  - **height** height of image in pixels

# Image `<img>` Tag

```

```

```

```

```

```

# Image Formats

## GIF

- Best for flat graphics with few colors
- Allows for 1-bit transparency
- *Dithers* at low quality

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# Image Formats

## GIF

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- *Dithers* at low quality

## JPEG

- Best for photos
- No transparency
- Gets *crunchy* at low quality

## PNG-24

- Lossless (preserves all details)
- Allows for 24-bit transparency
- Largest file-size of 3 (usually)

# Image Formats

GIF

:)



:(



JPEG



Some *thin* text

# Image Best Practices

- **Resize images in an image editor**, instead of using the width and height attributes
- **Use `<img />` tag for content images**;  
Save style/layout images for CSS
- Keep images in an images folder

# Week 2 Topics

- Block Tags vs Inline Tags
- Linking Pages
- Images
- **Lists**
- Tables

# List syntax

Unordered list

```
<ul>
```

```
  <li>cat</li>
```

```
  <li>dog</li>
```

```
  <li>fish</li>
```

```
</ul>
```

Ordered list

```
<ol>
```

```
  <li>January</li>
```

```
  <li>February</li>
```

```
  <li>March</li>
```

```
</ol>
```

# List syntax

## Unordered list

- cat
- dog
- fish

## Ordered list

- 1.** January
- 2.** February
- 3.** March

# Week 2 Topics

- Block Tags vs Inline Tags
- Linking Pages
- Images
- Lists
- **Tables**

# Table syntax

- <table>** defines start/end of table
- <th>** header cell
- <tr>** horizontal row that holds table cells
- <td>** data cells, for holding all kinds of content

**<table>**

**<tr>**

**<th></th>**

**<th></th>**

**<th></th>**

**</tr>**

**<tr>**

**<td></td>**

**<td></td>**

**<td></td>**

**</tr>**

**<tr>**

**<td></td>**

**<td></td>**

**<td></td>**

**</tr>**

**</table>**

Fav Movies	2001: A Space Odyssey	Amélie	Groundhog Day
------------	-----------------------	--------	---------------

```
<table>
  <tr>
    <th>Fav Movies</th>
    <td>2001: A Space Odyssey</td>
    <td>Amélie</td>
    <td>Groundhog Day</td>
  </tr>
</table>
```

Fav Movies
2001: A Space Odyssey
Amélie
Groundhog Day

```
<table>
  <tr>
    <th>Fav Movies</th>
  </tr>
  <tr>
    <td>2001: A Space Odyssey</td>
  </tr>
  <tr>
    <td>Groundhog Day</td>
  </tr>
  <tr>
    <td>Amélie</td>
  </tr>
</table>
```

## <table> attributes

<b>border</b>	pixel thickness of border
<b>cellspacing</b>	pixels of space between the cells
<b>cellpadding</b>	pixels of space between cell walls and content
<b>width</b>	width of table in pixels or percent

## <tr> attributes

<b>align</b>	horizontal content alignment in cells ( <i>"left"</i> , <i>"right"</i> , <i>"center"</i> , <i>"justify"</i> )
<b>valign</b>	vertical content alignment in cells ( <i>"top"</i> , <i>"middle"</i> , <i>"bottom"</i> )

## <td> and <th> attributes

<b>align</b>	horizontal content alignment in cells ( <i>"left"</i> , <i>"right"</i> , <i>"center"</i> , <i>"justify"</i> )
<b>valign</b>	vertical content alignment in cells ( <i>"top"</i> , <i>"middle"</i> , <i>"bottom"</i> )
<b>colspan</b>	number of columns cell should span
<b>rowspan</b>	number of rows cell should span
<b>width</b>	width of cell in pixels or percent

## BLOCK-LEVEL

`<p>`  
`<br />`  
`<hr />`  
`<h1>`, `<h2>`, ... `<h6>`

`<table>`  
`<ul>`, `<ol>`, `<li>`

## INLINE

`<em>`  
`<strong>`  
`<a>`

`<img>`

# Tags & Attributes We're Ignoring

<font>

<b>, <i>, <u>

color

bgcolor

border

# W3Schools Reference

<http://w3schools.com/html>

[http://w3schools.com/html/html\\_links.asp](http://w3schools.com/html/html_links.asp)

[http://w3schools.com/html/html\\_images.asp](http://w3schools.com/html/html_images.asp)

[http://w3schools.com/html/html\\_lists.asp](http://w3schools.com/html/html_lists.asp)

[http://w3schools.com/html/html\\_tables.asp](http://w3schools.com/html/html_tables.asp)

Homework Project

## Multi-page Website

### Requirements

- 3 -5 pages
- Use an unordered list to create a consistent main navigation with links to each of your pages
- Use at least one table
- Add some images
- Strive for clean HTML code, and organized content