

# HTML5 and CSS3, Chapter 5

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## Source code from book

- ▶ `http://www.aharrisbooks.net/haio/`

# Hyperlinks

- ▶ Any page can link to any other page.
- ▶ Clicking a hyperlink takes you to the other page.
- ▶ Some text or image or other element must be the trigger.
- ▶ The browser needs to know where to go.
- ▶ Links should look like links.
  - ▶ Default is underlined blue text
  - ▶ After they've been visited they change to purple.
- ▶ You can change the link's appearance,  
but make sure the user can still recognize it as a link!

# The anchor tag

One of my favorite websites is called  
`<a href = "http://www.wikipedia.org">wikipedia.</a>`  
This is a terrific site.

- ▶ The web address is an attribute, in quotes.
- ▶ The highlighted text occurs between the `<a>` and the `</a>`.
- ▶ The anchor tag is embedded into normal text.
- ▶ The text will flow around the anchor.
- ▶ This is an **inline** element.
- ▶ Other tags, such as `<h1>` and `<p>` are **block-level**.

# URLs

- ▶ `http://www.google.com`
- ▶ URL: Uniform Resource Locator.
- ▶ URI: Uniform Resource Identifier.
- ▶ Protocol: `http://`
- ▶ Host name: `www`
  - ▶ The name of the computer
  - ▶ Does not have to be `www`
- ▶ Domain name: `.com`
- ▶ Subdomain: `google`
  - ▶ Everything between the `www.` and the `.com`

# URLs with pages

- ▶ `https://cse.wvu.edu/computer-science/matthews`
- ▶ Sometimes the address specifies a particular document on the server.
- ▶ Document name can include path, including containing folders.
- ▶ Page name is usually optional. Many servers have a default:
  - ▶ `index.html`
  - ▶ `home.htm`

# Common domains

Domain	Explanation
.org	Non-profit institution
.com	Commercial enterprise
.edu	Educational institution
.gov	Governmental institution
.ca	Canada
.uk	United Kingdom
.tv	Tuvalu

## Lists of links

```
<ul>
  <li><a href = "http://www.aharrisbooks.net/haio">
    HTML / CSS / JavaScript ALL in One for Dummies</a>
    A complete resource to web development</li>
  <li><a href = "http://www.aharrisbooks.net/jad">
    JavaScript / AJAX for Dummies</a>
    Using JavaScript, AJAX, and jQuery</li>
  <li><a href="http://www.aharrisbooks.net/pythonGame">
    Game Programming - the L Line</a>
    Game development in Python</li>
  <li><a href="http://www.aharrisbooks.net/h5g">
    HTML5 Game Development for Dummies</a>
    Building web and mobile games in HTML5</li>
</ul>
```

- Indentation can keep things clear.



# Absolute vs. Relative References

```
<a href="https://www.google.com/">  
Google, on another server.  
</a>
```

```
<a href="anotherpage.html">  
A page, on the same server, same folder.  
</a>
```

```
<a href="myfolder/page.html">  
A page, on this server, in a subfolder.  
</a>
```