

Intro to Web Development

Class 2: HTML Links

Languages of the Web



Review!

HTML

- HyperText Markup Language
- Adds *static content* (text, images, links) to a web page.
- Every website uses HTML! It's what makes the text appear on the page.

CSS

- Cascading Style Sheets
- Adds *styling* (color, fonts, spacing) to a web page.
- CSS will make your web page look pretty!

Javascript

- Adds *dynamic content* (drop-down, animation) to a web page.
- Modifies the HTML & CSS content on the fly.

HTML: The Structure of Pages



Review!

The HTML code (in blue) is made up of characters that live inside **angled brackets** — these are called **HTML elements**.

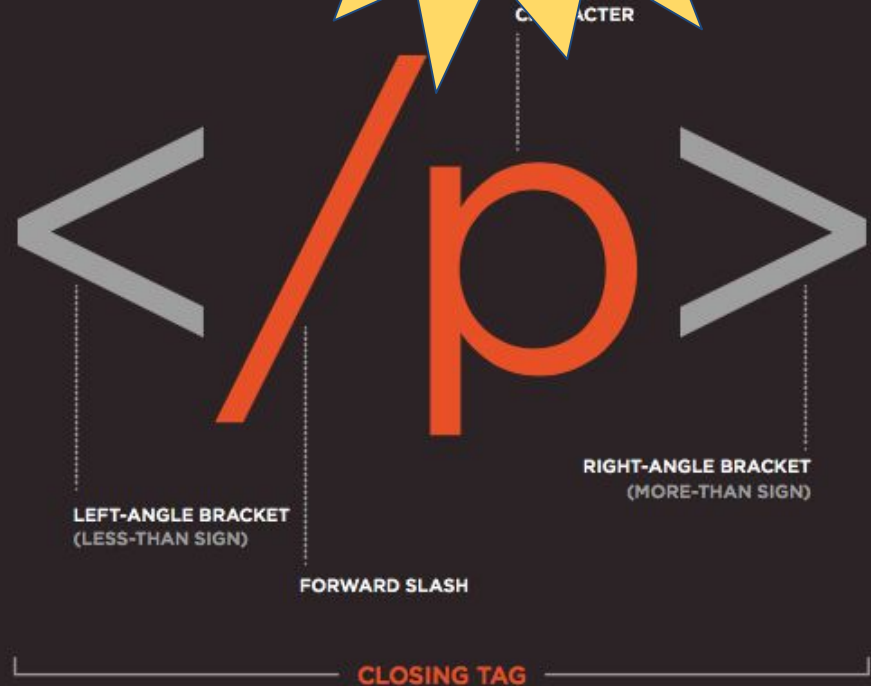
Elements are usually made up of two **tags**: an **opening tag** and a **closing tag**. (The closing tag has an extra forward slash in it.)

Each HTML element tells the browser something about the information that sits between its opening and closing tags.

```
<html>
  <body>
    <h1>This is the Main Heading</h1>
    <p>This text might be an introduction to the rest of
      the page. And if the page is a long one it might
      be split up into several sub-headings.</p>
    <h2>This is a Sub-Heading</h2>
    <p>Many long articles have sub-headings so to help
      you follow the structure of what is being written.
      There may even be sub-sub-headings (or lower-level
      headings).</p>
    <h2>Another Sub-Heading</h2>
    <p>Here you can see another sub-heading.</p>
  </body>
</html>
```

Tags: Every open comes with a close

Review!



```
<html>
  <head>
    <title>Lists</title>
  </head>
  <body>
    <h1>Scrambled Eggs</h1>
    <p>Eggs are one of my favourite foods. Here is a
      recipe for deliciously rich scrambled eggs.</p>
    <h2>Ingredients</h2>
    <ul>
      <li>2 eggs</li>
      <li>1tbs butter</li>
      <li>2tbs cream</li>
    </ul>
    <h2>Method</h2>
    <ol>
      <li>Melt butter in a frying pan over a medium
        heat</li>
      <li>Gently mix the eggs and cream in a bowl</li>
      <li>Once butter has melted add cream and eggs</li>
      <li>Using a spatula fold the eggs from the edge of
        the pan to the center every 20 seconds (as if
        you are making an omelette)</li>
      <li>When the eggs are still moist remove from the
        heat (it will continue to cook on the plate
        until served)</li>
    </ol>
  </body>
</html>
```



Review!

Scrambled Eggs

Eggs are one of my favourite foods. Here is a recipe for deliciously rich scrambled eggs.

Ingredients

- 2 eggs
- 1tbs butter
- 2tbs cream

Method

1. Melt butter in a frying pan over a medium heat
2. Gently mix the eggs and cream in a bowl
3. Once butter has melted add cream and eggs
4. Using a spatula fold the eggs from the edge of the pan to the center every 20 seconds (as if you are making an omelette)
5. When the eggs are still moist remove from the heat (it will continue to cook on the plate until served)

Writing Links: The <a> Tag

Links are created using the **<a> element**. Users can click on anything between the opening <a> tag and the closing tag. You specify which page you want to link to using the href attribute.

Diagram illustrating the structure of the <a> tag:

```
<a href="http://www.imdb.com">IMDB</a>
```

The diagram includes the following labels:

- THIS IS THE PAGE THE LINK TAKES YOU TO**: Points to the href attribute value "http://www.imdb.com".
- THIS IS THE TEXT THE USER CLICKS ON**: Points to the text "IMDB" between the tags.
- OPENING LINK TAG**: Points to the opening tag "<a".
- CLOSING LINK TAG**: Points to the closing tag "".

IMDB

Linking to other sites:

chapter-04/linking-to-other-sites.html

HTML

```
<p>Movie Reviews:  
  <ul>  
    <li><a href="http://www.empireonline.com">  
      Empire</a></li>  
    <li><a href="http://www.metacritic.com">  
      Metacritic</a></li>  
    <li><a href="http://www.rottentomatoes.com">  
      Rotten Tomatoes</a></li>  
    <li><a href="http://www.variety.com">  
      Variety</a></li>  
  </ul>  
</p>
```

Movie Reviews:

- [Empire](http://www.empireonline.com)
- [Metacritic](http://www.metacritic.com)
- [Rotten Tomatoes](http://www.rottentomatoes.com)
- [Variety](http://www.variety.com)

Linking to other pages on your site:

HTML

chapter-04/linking-to-other-pages.html

```
<p>
  <ul>
    <li><a href="index.html">Home</a></li>
    <li><a href="about-us.html">About</a></li>
    <li><a href="movies.html">Movies</a></li>
    <li><a href="contact.html">Contact</a></li>
  </ul>
</p>
```

- 
- [Home](#)
 - [About](#)
 - [Movies](#)
 - [Contact](#)

Try it out!

Make it your own!



1. Create a second page by **right clicking** in the sidebar and adding a new file
2. Add a link to your second page by following the structure above

Directory Structure: Saving things in different folders



Directory Structure: Saving things in different folders

SAME FOLDER

To link to a file in the same folder, just use the file name. (Nothing else is needed.)

To link to music reviews from the music homepage:
`Reviews`

CHILD FOLDER

For a child folder, use the name of the child folder, followed by a forward slash, then the file name.

To link to music listings from the homepage:
`Listings`

GRANDCHILD FOLDER

Use the name of the child folder, followed by a forward slash, then the name of the grandchild folder, followed by another forward slash, then the file name.

To link to DVD reviews from the homepage:
`Reviews`

PARENT FOLDER

Use `../` to indicate the folder above the current one, then follow it with the file name.

To link to the homepage from the music reviews:
`Home`

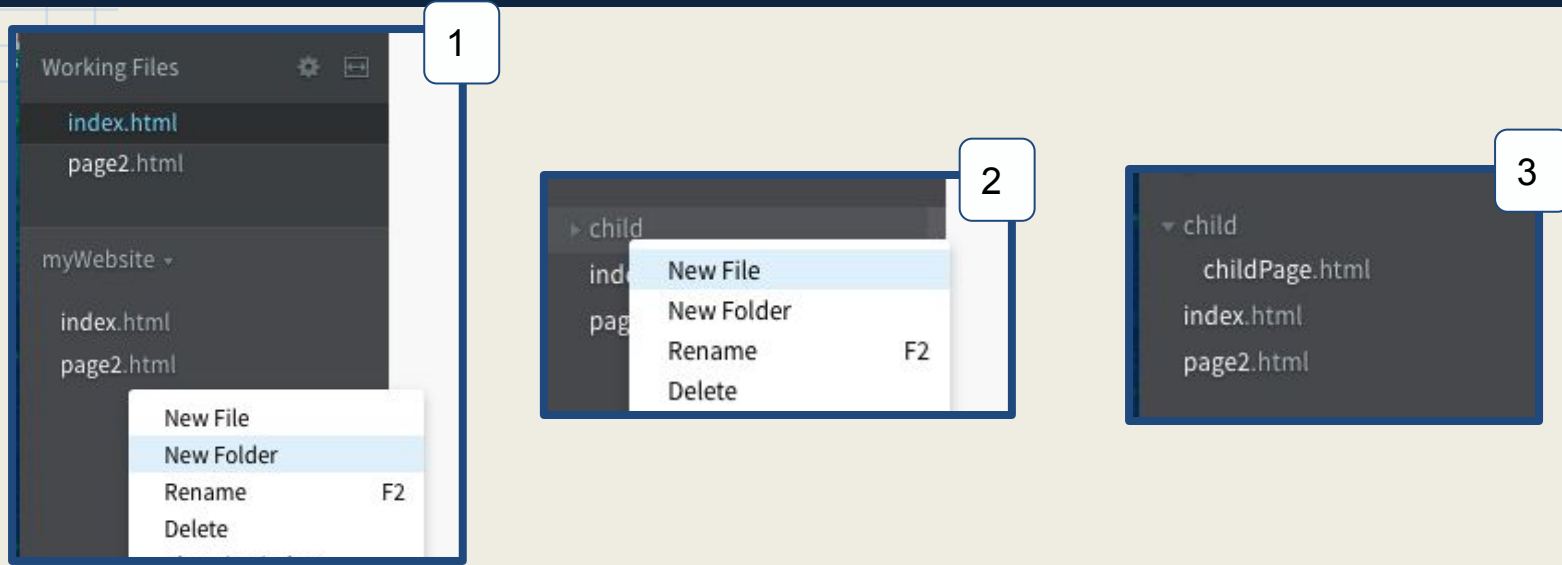
GRANDPARENT FOLDER

Repeat the `../` to indicate that you want to go up two folders (rather than one), then follow it with the file name.

To link to the homepage from the DVD reviews:
`Home`

Try it out!

Make it your own!



1. Create a **a new folder** by right clicking in the sidebar in brackets. Name it “child”
2. **Right click** on the “child” directory and click **New File**
3. Name the file ChildPage (or whatever you like)

Try it out!

Make it your own!

Working Files



• index.html

page2.html

childPage.html

myWebsite ▾

▾ child

childPage.html

index.html

page2.html

```
1 ▾ <p>
2 ▾   <ul>
3     <li><a href="page2.html">My Second Page</a></li>
4     <li><a href="child/childPage.html">My Second Page</a></li>
5   </ul>
6 </p>
```

Link to your new child page

Linking to a specific part of a page

You can also link to **other parts of the same page**. Let's imagine you have a **very tall page** with lots of text. **At the bottom of the page** you can make a “**Top**” link that will bring the viewer back to the top without having to scroll. You do this in two steps:

1. Create an **id** for an h1, h2, h3... etc tag and give it a unique name. We've named ours “top”

```
<h1 id="top">Film-Making Terms</h1>
```

2. Create a link just like before, except this time use the # sign, and the name of your id

```
<p><a href="#top">Top</a></p>
```

Linking to a specific part of a page

```
<h1 id="top">Film-Making Terms</h1>
<a href="#arc_shot">Arc Shot</a><br />
<a href="#interlude">Interlude</a><br />
<a href="#prologue">Prologue</a><br /><br />
<h2 id="arc_shot">Arc Shot</h2>
<p>A shot in which the subject is photographed by an
    encircling or moving camera</p>
<h2 id="interlude">Interlude</h2>
<p>A brief, intervening film scene or sequence, not
    specifically tied to the plot, that appears
    within a film</p>
<h2 id="prologue">Prologue</h2>
<p>A speech, preface, introduction, or brief scene
    preceding the the main action or plot of a film;
    contrast to epilogue</p>
<p><a href="#top">Top</a></p>
```

Film-Making Terms

[Arc Shot](#)
[Interlude](#)
[Prologue](#)

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[Top](#)

At the **top of a long page** you might want to add a list of contents that **links to the corresponding sections lower down**. Or you might want to add a link from part way down the page back to the top of it to save users from having to scroll back to the top.

Linking to a specific part of a page

```
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[Top](#)

Before you can link to a specific part of a page, you need to identify the points in the page that the link will go to. You do this using the **id attribute**.

Linking to a specific part of a page

```
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[Top](#)

``
links to the `<h1>`
element at
the top of the
page whose id
attribute has a
value of top.

Daily Project:

Elements to Include:

- Orderd lists
- Unorderd lists
- Strong text
- Emphasized text
- Links!
- A child page
- The ID attribute
- An ID Element tag to link to a part of an existing page

Make a 2-page site!