Why HTML?

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- Building webpages is a valuable skill for publishing customized content.
- Learning the structure behind webpages enables understanding of them.



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HTML Tags

Tags are the building blocks of HTML. They describe content.

- Each tag is written with an opening < and a closing > (for example <html>).
- Each tag is generally associated with a closing tag (for example </html>).
- There are execeptions. One that will be important in A3 is the image tag .

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Beginning a Document

Each document begins with a doctype declaration.



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- ► In HTML5 this is <!DOCTYPE HTML>.
- Without this line browsers are likely to enforce their own individual quirks.

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The next line of your document is almost always the html tag <html>.

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The next line of your document is almost always the html tag $<\!\!html\!>\!.$

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This indicates where your html begins

The next line of your document is almost always the html tag <html>.

- This indicates where your html begins
- It's closing tag is often the last line of your document

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The document head is a section beginning with <head> and ending with </head>.

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The document head is a section beginning with <head> and ending with </head>.

The head contains information such as the title of the page which uses <title> and </title> tags.

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The document head is a section beginning with <head> and ending with </head>.

- The head contains information such as the title of the page which uses <title> and </title> tags.
- Advanced: It may also contain some content that does not display related to search engine optimization.

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The document body is where all the major content goes.

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begins with the tag <body>

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- begins with the tag <body>
- ends with the tag </body>

The document body is where all the major content goes.

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- begins with the tag <body>
- ends with the tag </body>
- contains a lot of different content.

this is a paragraph



- this is a paragraph
- <h1> This is a Heading 1 </h1>

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- this is a paragraph
- <h1> This is a Heading 1 </h1>
- <h2> This is a Heading 2 </h2>

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- this is a paragraph
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same for h3 to h6.

- this is a paragraph
- <h1> This is a Heading 1 </h1>
- <h2> This is a Heading 2 </h2>
- same for h3 to h6.
-
 this is a line break. It doesn't have a closing tag.

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 is an image tag, but this tag has an attribute so we don't close it yet.

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- Another important attribute is alt, which indicates alternate text to display if the image won't.

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- if your user account is c1accoun this would be displayed on the web at

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"www.cdf.toronto.edu/ c1accoun/"

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- if your user account is c1accoun this would be displayed on the web at
- "www.cdf.toronto.edu/ c1accoun/"
- The page displayed by default is "index.htm" or "index.html" so rename accordingly.

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File Permissions

By default your files are available only to you.

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- you can use man chmod to look at the help pages on the command in UNIX.

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Ending a document

At the end of a document we will have </body> finishing the body

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and </html> ending the html block.

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- and </html> ending the html block.
- We may also have a footer in some documents.

Work in notepad since this is a windows system.



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Where do we begin

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Work in notepad since this is a windows system.

- Where do we begin
- Doctype, html tag
- Header
- Displaying Some Content

The webpage doesn't have a polished look to it. Objects aren't placed well. The solution is CSS which is beyond the scope of this course.

How do more advanced webpages work?

This is where we see the lead in to the HTML chapters in the book.

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How do more advanced webpages work?

This is where we see the lead in to the HTML chapters in the book.

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- Run programs on the back-end to generate content.
- What programs? Some examples in the book.