

HTML A – Basic Coding

Code used to create a template for your HTML pages:

Following is the code you will use to start all your web pages. It will be much easier and probably more accurate if you copy this code from the class web site (Assignment 2) and save it to use as a template for all your work.

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="EN" xml:lang="EN">
  <head>
    <meta http-equiv = "Content-Type" content = "text/html;
      charset = UTF-8" />
    <title>Place a title here</title>
  </head>
  <body>
    <h1>Place a main header here.</h1>
    <h2>Place a second level header here.</h2>
    <p>Place a paragraph of text here.</p>
    <h2>Place a second level header here.</h2>
    <p>Place a paragraph of text here.</p>

    <p>
      <a href="http://validator.w3.org/check?uri=referer">

      </a>
    </p>

  </body>
</html>
```

Explanation of tags used this week:

Document Type

DOCTYPE states version of XHTML – possibilities are “Transitional”, “Frameset”, and “Strict”. We will use “Strict”.

Basic Tags

<html>...</html> - creates HTML document
<head>...</head> - sets off title and other technical information
<title>...</title> - puts name of document in title bar, very important for search engines
<meta /> - for various browser/technical purposes (optional)
<body>...</body> - sets off visible portion of document

Headings

<h1>...</h1> (largest)
<h2> ... </h2>
...
<h6>...</h6> (smallest)

(con't)

Separators – to insert “white space” into a document

`<p>...</p>` - defines a paragraph, a blank line above and below the content

`
` - defines a line break, the next item starts on a new line

`<hr />` - horizontal rule, a line across the page

XHTML Rules:

1. You must include the correct DOCTYPE declaration at the beginning of the file.
2. You must include all basic tag pairs in each web page.
`<html> ... </html>`
`<head> ... </head>`
`<title> ... </title>`
`<body> ... </body>`
3. You must write all tags in lower case. Many books and web sites use upper case tags for easier reading, but it is not correct in the XHTML language.
`<body>` is not the same as `<BODY>`.
4. You must end all tags properly. Most tags are ended with a twin tag.
`<h1> ... </h1>`
5. A few tags do not require an ending twin. In fact, for these tags it's illegal to use one! These are called “empty” tags and they are properly ended with a space and a forward slash. The empty (or stand-alone) tags used in this class are:

`<meta />` - provides technical information for the browser

`
` - line break

`<hr />` - horizontal rule

`` - used to include graphics (Week 5)

6. All tag pairs should be properly nested. That is, if a series of tags surround some content, the most recently opened tag should be closed first.
`<body>`
 `<p> ...`
 `...`
 `</p>`
`</body>`