

CS 2350

Outline of Topics

Begin HTML

Here are notes about the topics covered in CS 2350 for this unit. These are topics to be familiar with as we will use them throughout the semester. It is valuable to create a set of notes for yourself that expand and add information about each item.

Install a plain text editor with syntax highlighting

Be able to open a .html file in the editor and the browser

Start with content

Words

- .html file
- type in plain text
- organize with headings
- think of how to display
 - paragraphs
 - lists
 - tables
 - etc.
- spell check

Images

- save in folder
- simple filename
- write brief description

Links

- complete URL
- what to click on
 - text – informative
 - image
- write brief description

Understand how and when to use the following HTML tags

Overhead tags

!doctype
html
head
body
meta
title

Container tags

p
h1 to h6
a
ul
ol
li
table
tr
th
td
caption

Empty tags

hr
img

Understand how, when, where, and why to add attributes

img
src="folder/imageFile.ext"
alt="brief description of image"
width="200"
height="200"

a
href="completeURL"
title="brief information about link"

meta
charset
name
content

Be able to nest tags correctly

Overhead

```
<!doctype html>  
<html ...>  
  
<head>  
<meta ...>  
  
<title> </title>  
  
<meta ...>  
<meta ...>  
<meta ...>  
<meta ...>  
</head>  
  
<body>  
  
</body>  
</html>
```

List

```
<ul>
  <li></li>
  <li></li>
</ul>
```

Table

```
<table>
  <caption></caption>
  <tr>
    <th></th>
    <th></th>
  </tr>
  <tr>
    <td></td>
    <td></td>
  </tr>
  <tr>
    <td></td>
    <td></td>
  </tr>
</table>
```

Link in a paragraph

```
<p>
  <a></a>
</p>
```

Graphic Link in a paragraph

```
<p>
  <a>
    <img>
  </a>
</p>
```

Introduced Accessibility Guidelines

- The language of the page is identified using the HTML lang attribute.
- Headings h1 to h6 are used to create organization and meaning.
- Add alt attributes to images and form image button tags that provide equivalent text.
- Text for links is informative and meaningful.
- Use the title attribute to provide clear information about what will happen by clicking on that link.

Introduced Coding Style Guidelines

Filenames and Folder names

- Filenames including extensions and folder names are to consist of only lowercase letters, numbers, and the underscore
- Use meaningful, simple names for all files
- For HTML files use the .html extension

HTML

- Always keep your code tidy, clean, and well-formed.
- Use Lower Case Element and Attribute Names.
- Close HTML Elements.
- Quote Attribute Values.
- Add the alt attribute to images.
- Define width and height attributes for image elements.
- Avoid code lines longer than 80 characters.

HTML Overhead

- Use correct HTML5 overhead tags plus the descriptive meta tags as shown below. Replace values in red to fit specific page.

```
<!doctype html>
<html lang="en-US">

<head>
<meta charset="UTF-8">

<title>page tab title here</title>

<meta name="description" content="brief description of the page here">
<meta name="keywords" content="keywords related to the page here">
<meta name="author" content="name(s) of author here">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>

<body>

</body>
</html>
```