**Foundations of Web Design**

**Study Guide:** Basics of Web Design and Intro to CSS

Test Date: Thursday - 10/13/22

Completing this study guide is optional. If you complete it will increase your likelihood of doing well on the test.

* Know the major tags that all websites must have. Have this memorized and be able to reproduce it.

<! DOCTYPE html>

<html lang=”en”>

<head>

<title> Webpage Title </title>

<meta> charset=”utf-8”>

</head>

<body>

</body>

</html>

* Know the semantic elements that provide structure to the <body> tag. Be able to identify their purpose and where they are found on the product side of a webpage.
  + <header> and </header>
  + <nav> and </nav>
  + <main> and </main>
  + <footer> and </footer>
* What does the <!-- --> tag do? Why is it important?
* What is an attribute? What color do attributes show up as when you write your code in Notepad++?
* What is word wrap? How does it provide convenience to coders?
* What is a hyperlink? Know how to use the <a href> and </a> tags to put a hyperlink into your webpage.
* Know the difference between a relative link, absolute link, image link, email link, and telephone. Know how to insert each one into a webpage.
* Know the differences between png, jpg/jpeg, and svg images. Know how to insert images into your webpage. Know how to link an image. Know how to manipulate the size of the image. Be able to use the <img> tag. Be able to explain how the attributes you insert into an <img> allows the webpage to find the correct image to use for that tag.
* Understand the purpose of creating folder sets. What function does having a css, images, media, and template folder have and how do they contribute to the html documents within the same main folder?
* Within a folder set, why do the webpages that relate to each other have to be on the same level as the css, images, media, template folders? What happens if you accidentally have an html document inside the template folder and you try to run it?
* What are the heading tags? How many are there? Know which heading tag provides the biggest heading size and which one provides the smallest.
* What is the function of a list? Know the differences between unordered, ordered, and description lists.
* What is the purpose of making a template before making the various related websites that make up a website?
* Be able to apply the various skillsets we’ve learned so far this year. Part of the test will be to produce a reasonable size webpage. I will provide all parameters, but I expect you to know the correct tags to use in order to organize and layout the webpage properly.
* What is CSS? What is the difference between inline styles, embedded styles, and external/link style sheets.

<Tags>

You have to know your tags. Below is a list of all of the tags we’ve learned so far. You need to know their function, how and when to use them, and whether they are paired tags or empty/void tags. Also, which color do tags show up as in Notepad++

<! DOCTYPE html>

<html> and </html>

<head> and </head>

<title> and </title>

<meta>

<body> and </body>

<header> and </header>

<nav> and </nav>

<main> and </main>

<footer> and </footer>

<!-- -->

<p> and </p>

<img> (know the four attributes that go within all image tags)

<a> and </a> (understand why we use this tag with the href attribute and other links)

<hr>

<br>

<b> and </b>

<i> and </i>

<u> and </u>

<ul> and </ul>

<li> and </li>

<ol> and </ol>

<dl> and </dl>

<dt> and </dt>

<dd> and </dd>

<table> and </table>

<tr> and </tr>

<th> and </th>

<td> and </td>

<caption> and </caption>

Symbol Entities

&nbsp;

&amp;

&copy;

VOCABULARY: You should know the definition for each of these terms.

Internet Node Network Internet of Things

Data Lines Internet Backbone ISP World Wide Web

Webpage Website Hyperlink Element

Hypertext Transfer Protocol (HTTP) Internet Protocol Web Browser

Unicode Transformation Format Template Word Wrap

Anchor Element Relative Links Absolute Links Image Links

Email Links Telephone Links Pixel Height

Width Cascading Style Sheets Inline Styles

Embedded Style Sheets External Style Sheets

Row Column Cell