**Assignment 3**

**Olubunmi Salami**

**Internent Applications**

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**Title: Basic HTML / CSS**

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**Dr. Huthaifa Abderahman**

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**INTRODUCTION**

**JavaScripts**

My web page was designed using HTML5, CSS, and JavaScripts. Different tags/elements were incorporated to have a fancy page, with an orange background. I incorporated JavaScripts functions in my HTML page. . It was not easy for me to determine wish tag or elements are needed for this project. After days of try and error, I decided to use as much needed tags and elements as needed in this assignment. Thou, I did not do a perfect work, but I hope it looks presentable.

I tried so many functions in writing my scripts, like the click on button, Java div, Java image function, the document.getElementById("demo") function, the transition function within a time frame, and more of other tags and functions. I was able to use more tags and elements in writing my styles using CSS. My website show different types of modern design. I have the Paris image and Greek image for a click on button. I have texts in box for transition with 2-5seconds. Some other attribute can be seen on my site.

**List of elements and tricks used are:**

Combination of HTML5/CSS page has some elements that start with an open tag, some content (paragraphs, body) and the closed tags.

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| **Tags**/Elements | **Description** |
| <Doctype >  <html> </html> | Is the open tag, that shows it is html document   tags are written in angle brackets  The <html> element is used to give information to the browsers that it is an HTML document. |
| <html lang="en"> | Tell the site to use English |
| <head> | Are used as titles or subtitles depending on how to want it displayed on a webpage |
| <title> | Is used to define your page. Indicates the title of the document. |
| <meta charset="utf-8"> | Is used as English language identification with html document |
| <meta property="og:description" content | This is an example page to demonstrate usage of metadata on web pages. |
| <body> | Is used for the body |
| [<h1>-<h6>](https://www.w3docs.com/learn-html/html-h1-h6-tags.html), | h1-h6 are used in defining html headings according to importance tags. |
| <img> | Is used to import image to web page |
| <p> </p> | The first tag in a pair called the start (opening) tag, and the second tag is the end (closing) tag.  Are used for paragraph |
| <div> | block-level element defines a paragraph in a document |
| <div id="watermark"> | Is used to mark a watermark |
| <! -- Flexbox --> |  |
| <br/> | To make a break. The empty elements have no closing tags. |
| <nav> | Is use for navigation to links, either within the current document or to other documents. |
| <href> | Is use for reference links |
| <section> | Defines a section in a document |
| </footer> | All /signs are used for closing all tags. |
| </header> | Defines a header of a page or a section |
| <! -- comment --> | To give room for viewers comment |
| <hr> | To insert a line inform of a break. |
| [<img/>](https://www.w3docs.com/learn-html/html-img-tag.html)) | Used to identify an image. |
| <a>, href | <a> tag creates a link, the address of which is defined in the href attribute. |
| #ffffff. | to specify white color |
| <section></section> | Creates standalone sections within a webpage containing logically connected content. |
| <section> | Defines a section in a document |
| **Tag  CSS** | **Description** |
| .container {  display: flex;  gap: 0.625%;  }  a {  flex: 1;  text-decoration: none;  outline: none;  text-align: center;  line-height: 3;  color: white;  } | All this are attribute to flex container |
| a:hover {  background: green;  }  a:active {  background: darkred;  color: white;  } | All this are attribute to background colour |
| #myDiv {  transform: rotateZ(30deg);  }  #div1 {transition-timing-function: linear;}  #div2 {transition-timing-function: ease;}  div:hover {  width: 300px; | This is attributed to text transition function |
| /\* The expanding image container \*/  .container {  position: relative;  display: none;  }  /\* Expanding image text \*/  #imgtext {  position: absolute;  bottom: 15px;  left: 15px;  color: white;  font-size: 20px;  } | This is for image expansion |

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| Tags used in JavaScripts |  |
| function myFunction() {  let x = document.getElementById("demo");  x.style.fontSize = "20px";  x.style.color = "white";  } | This gives my script color and effect |
| \*/  document.getElementById("myH").innerHTML = "Comments";  document.getElementById("myP").innerHTML = ""; | This is used for comments |
| <script>  function myFunction(imgs) {  var expandImg = document.getElementById("expandedImg");  <button onclick="myFunction()">Click Me!</button><br>  <a href=https://www.mozilla.org/>favorite website</a>  <a href=https://www.w3schools.com/>best Html website</a>  <p>Mar 14 2023</p>  <h5 id="myH"></h5>  <p id="myP"></p> | This function as image expansion |

**Block Design**

Using a block element is used to starts on a new line, and asked to add some space/ a margin before and after the element. <p> /<div>

Block design element takes up the full width available, but I used<div> to divide the paragraph. I have 3blocks that are embedded in the whole block of <doctype html>. Below are the head, body and the closing </html>. The Scripts and the CSS style are linked to each other in the Html page.

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**Conclusion**

This assignments three was a bit ticklish for me. Each section/function needs to be constantly checked for errors whenever I add another function or attribute. I could not use Java automatic date with my click on button for my name. Also, when I try to divide my page, it keeps going on my image expansion, so I let go of page column. But I was able to learn how to use transition function, image expansion and some different tags in JavaScript.

**Reference**s

* W3schools. (2023). Retrieved 31 January, 2023 <https://www.w3schools.com/html/html_charset.asp>.
* Mozilla.org. (2023). Retrieved 31 January, 2023 https://www.mozilla.org/en-GB/