# **Basics**

* **<!DOCTYPE html>** 
  + Placed at the start of an HTML document helping browsers display web pages correctly
* **<html> </html>** 
  + HTML section of document
* **<body> </body>** 
  + Visible portion of HTML document written here
* **<h1> </h1> to <h6> </h6>**
  + Tag for headings of different sizes
* **<p> </p>** 
  + Paragraph tag
* **<a href=”**[**www.link.com**](http://www.link.com)**”> Link </a>** 
  + Link tag, href attribute specifies website
* **<img src=”” alt=”” width=”” height=””>** 
  + src for the image source, alternative for an alternative image source if src fails, width and height self-explanatory
* <!-- --> - Creates a comment in code

# **Elements/Tags**

* **<br> -** Line break (no end tag)
* **<hr> -** Horizontal Line Break
* **<pre> -** Preformatted text

# **Attributes**

* **style = “….” –** Adds styles to elements, includes things like color, font, size, and more
* **lang –** Added inside the html tag to declare the language of the web page
* **title = “” –** Defines extra information about an element, a tooltip will be displayed if a mouse hovers over the element

# **Types of stylings**

* style=”font-size:60px;”
* style=”font-size:300%;”
* style=”color:red;”
* style=”color:rgb(x,y,z);”
* style=”color:#hex;”
* style=”color:hsl
* style=”color:rgba(x,y,z,a) – alpha for transparency
* style=”background-color:powderblue;”
* style=”font-family:verdana;”
* style=”text-align:center;”

# **Text Formatting**

* **<b></b> -** Bold
* **<strong></strong> -** Similar to bold
* **<i></i> -** Italicize
* **<em></em> -** Similar to italicize
* **<small></small> -** Makes text smaller
* **<mark></mark> -** Highlights text
* **<del></del> -** Strikes through text
* **<ins></ins> -** Underlines
* **<sub></sub> -** Subscript
* **<sup></sup> -** Superscript

# **Quotation and Citation**

* **<blockquote></blockquote> -** Defines a section quoted from another source
  + **cite=””** for entering the source of the information being cited
* **<q></q>** Short quotation, adds quotation marks around text
* **<abbr></abbr> -** Underlines an abbreviation, helpful to have a title attribute with it
* **<address></address> -** Italicized text used for contact information typically
* **<cite></cite> -** Defines a title of a creative work (italicized)
* **<bdo></bdo> -** Bi-Directional Override used to change current text direction
  + **dir=””** attribute for the specific type of override
    - “rtl” will display text from right to left

# **Multimedia – Audio & Video**

* **<video></video> -** embeds a video through source attribute
  + Common Attributes: height, width, auto play, loop, controls
  + Good idea to put text between the start and end tag in case video fails
* **<audio></audio> -** Uses a src attribute to link to audio file 
  + Common Attributes: auto play, controls, loop, buffered, muted, volume

# **Tables**

* **<table></table> -** Container tag
  + Border attribute will add borders around the cells
* **<tr></tr> -** Table row
* **<td></td> -** The columns
* Example
  + Text

    Description automatically generated
* **<th></th> -** Table heading, specifies that it’s the headings at the top of the table, not data
* **rowspan + colspan –** merging cells
* **<caption></caption> -** Adds a caption to the table
* Tables should only be used for tabular data

# **Useful Tags**

* **<div></div> -** Split up into blocks
* **<details></details> -** Drop down open and close. Doesn’t work in Firefox. Used with **<summary>** tag
* **<code></code> -** for code stuff