**Computer and Technology Meeting Tuesday, September 5th**

**How does a Webpage work?**

A webpage is a text document to which TAGS are added to instruct the browser on what to do.

* An internet browser App is used to open the webpage document.
* The browser finds and opens the document.
* The document of type (.HTML) displays text or performs functions specified by the author.
* This action is contained inside the window of the browser.
* If the text or action requires more space than the size of the browser window then the browser window will have scroll bars for either or both the right side and the bottom.

Some of the functions or actions that a webpage handles:

* Displays text
* Displays images
* Connects the user to a webpage
* Opens a file
* Provides navigation features
* Organizes information in tables

We are going to focus this session on the fact that a ***webpage does not have to be on a WEBSITE***. It can reside on your PC if you are only using it for your own purposes.

How does this work.

When you enter the “address and name” of the webpage into the browser, it figures out where to look.

* <https://activitiesunlimited.org/> When the address has https: or www. It looks in the internet.
* C:\Users\johna\...MyWebPages\MyOrganizer.html When the address has a PC path it looks in the PC.

**Let’s create a webpage called “MyOrganizer” !**

Here is the example as a plain text document. (shown in the box below)

|  |
| --- |
| **My Organizer**The tasks I would like to be able to do repeatedly are arranged in this webpage. If a bit of text is underlined that means it is a link and it is clicked or tapped to make the action occur.**AU webpages**Go to the AU calendar page.<https://activitiesunlimited.org/AUeventsPage.html>**Important documents**Open the Streaming TV Word Document.C:\Users\johna\...MyWebPages\Streaming TV.docx**Pictures**C:\Users\johna\...MyWebPages\Hikers.jpg |

**This is how you code it.**

Tags are wrapped around the text to indicate what happens. The title for instance is larger and bold.

Tags <h1> and </h1> are added to wrap(encompass) the text to be bolded and enlarged.

**<h1>** My Organizer **</h1>**

A typical paragraph of text is wrapped <p> and </p>

**<p>** The tasks I would like to be able to do repeatedly are arranged in this webpage. If a bit of text is underlined that means it is a link and it is clicked or tapped to make the action occur. **</p>**

Title text size is declared by the number. In this case h2 is a smaller size.

**<h2>**AU webpages**</h2>**

Linking to a webpage is more complicated because we should specify the webpage address and name and also put a less technical description on the page. This is also an example of coding where some instruction is inside the <TAG>.

**<a** href="https://activitiesunlimited.org/AUeventsPage.html"**>**Go to the AU calendar page**.</a>**

Where the name of the webpage is inside the <a> and the text shown to the user is wrapped.

The tag **<br>** is odd as it is used alone. It means “skip a line”

Make a smaller title

**<h3>**Important documents**</h3>**

Opening a file on your PC is like the above link code. Only the address and name are different.

<a href="C:\Users\johna\...MyWebPages\Streaming TV.docx">Open the Streaming TV Word Document.</a>

Make an even smaller title

**<h4>**Pictures**</h4>**

Display a picture is slightly different but the <a> tag method is used.

<a><img src="C:\Users\johna\...MyWebPages\Hikers.jpg" alt="" /></a>

Putting it together like the original only with tags :

|  |
| --- |
| <h1> My Organizer </h1><p>The tasks I would like to be able to do repeatedly are arranged in this webpage. If a bit of text is underlined that means it is a link and it is clicked or tapped to make the action occur.</p><h2>AU webpages</h2><a href="https://activitiesunlimited.org/AUeventsPage.html">Go to the AU calendar page.</a><br><br><h3>Important documents</h3><a href="C:\Users\johna\...MyWebPages\Streaming TV.docx">Open the Streaming TV Word Document.</a><br><br><h4>Pictures</h4><a><img src="C:\Users\johna\...MyWebPages\Hikers.jpg" alt="" /></a> |

**You guessed it! Yes, the entire “program” is wrapped.**

In basic 101 web page coding we don’t get into other stuff. But the wrap of the “page” is simply copied and pasted into all your pages in basic web pages.

|  |
| --- |
| **<!doctype html>****<html>****<body>***This is where the stuff we discussed earlier goes.***</body>****</html>** |

The following is a complete page that works:

|  |
| --- |
| <!doctype html><html><body><h1> My Organizer </h1><p>The tasks I would like to be able to do repeatidly are arranged in this webpage. If a bit of text is underlined that means it is a link and it is clicked or tapped to make the action occur.</p><h2>AU webpages</h2><a href="https://activitiesunlimited.org/AUeventsPage.html">Go to the AU calendar page.</a><br><br><h3>Important documents</h3><a href="C:\Users\johna\...MyWebPages\Streaming TV.docx">Open the Streaming TV Word Document.</a><br><br><h4>Pictures</h4><a><img src="C:\Users\johna\...MyWebPages\Hikers.jpg" alt="" /></a></body></html> |

**Want to explore and try more?**

The following website is highly recommended. It is a reference guide to all the HTML tags that you could use in building a webpage. There are examples of each <TAG> which you can run and try out.

[Introduction to HTML (w3schools.com)](https://www.w3schools.com/html/html_intro.asp)