

<HTML> Webpage Tutorial </HTML>

There are several ways for creating webpages.

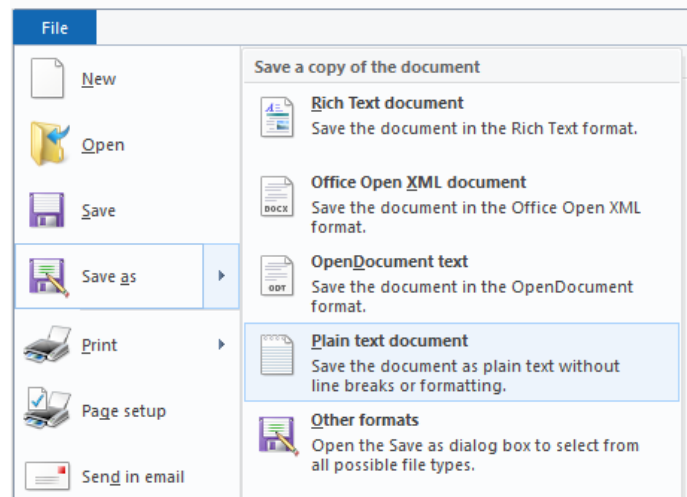
A simple way to start with is using **WordPad**. They can also use **notepad**.

Creating and saving first webpage

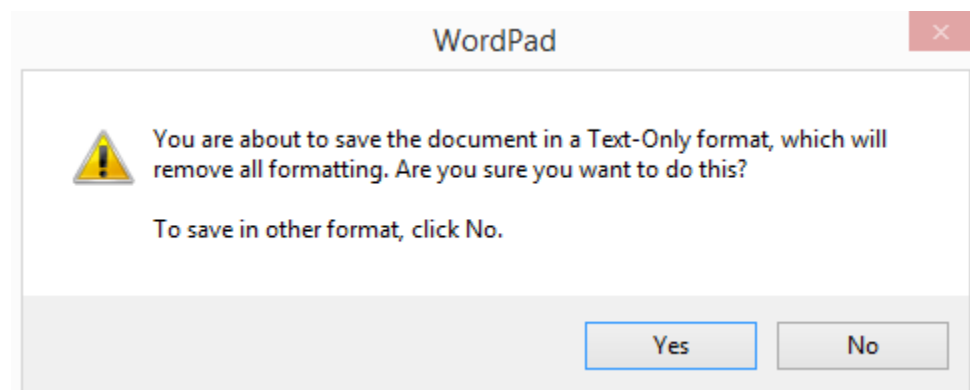
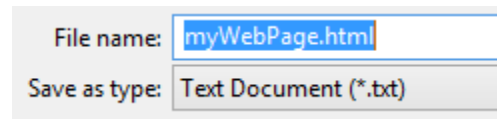
Most probably they have never worked with HTML before, so first they should learn its basics.

The first step they should do is create a simple page with no tags and save it.

- 1- Open the WordPad
- 2- Write "My name is ..."
 - a. Let them write their names
- 3- Now let them save it
 - a. A webpage is a text file but they should **NOT** save it as a text file.
 - b. First click "save as" and select the plain document
 - i. File → Save as → Plain text document



- c. A dialog will pop up asking for the location to be saved to, as well as the name
 - i. The default extension is "*.txt"
 - ii. They should override it to ".html" as shown in the figure
 - iii. Press save
 - iv. A warning box will appear asking you if you are sure you want to proceed
 - v. Press Yes
 - d. For testing their page, they can right click on the newly created file "myWebPage.html" and say open with "any browser"
 - i. Double click might also work but it depends if it was overridden for this extension



Font styles

They should have already created and tested the webpage.

The next step is to add some styling to their webpage.

The 5 stuff they will learn in this section are:

- The structure of html
 - Opening and closing tags
- Bold
- Italic
- Underline
- Strike

We will continue using their first web page.

They have typed in “My name is Omar” or something similar

First we will turn the name “Omar” to become bold.

- My name is `Omar`
 - I encapsulated the word “Omar” with the bold tag
 - It is important to know how we open the tag and close it at the end of the word or phrase

Then we will turn the word “name” to become italic.

- My `<i>name</i>` is `Omar`

Then we will turn the word “is” to become underlined.

- My `<i>name</i>` `<u>is</u>` `Omar`

Finally we can strike the word “My”.

- `<strike>My</strike>` `<i>name</i>` `<u>is</u>` `Omar`

The output will look like:

~~My~~ *name* is **Omar**

Headers and Horizontal Lines

In this section, we will learn how to use header and how to break the pages using horizontal lines.

The first step is to add a header to our current page at the top.

```
<h1>My Personal Webpage</h1>  
<del>My</del> <i>name</i> <u>is</u> <b>Omar</b>
```

My Personal Webpage

~~My~~ *name* is **Omar**

- Notice that the rest of the text was moved automatically to a new line.
- There are different header tags similar to word's heading styles

```
<h1>Heading 1</h1>  
<h2>Heading 2</h2>  
<h3>Heading 3</h3>  
<h4>Heading 4</h4>  
<h5>Heading 5</h5>  
<h6>Heading 6</h6>
```

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

The next step is to add a horizontal line from the left to the right just after the header.

This will help make the sections in my webpage clearer.

```
<h1>My Personal Webpage</h1>  
<hr>  
<del>My</del> <i>name</i> <u>is</u> <b>Omar</b>
```

My Personal Webpage

~~My~~ *name* is **Omar**

Multiple lines and links

The next step is to learn how to type in using multiple lines.

Simple pressing “enter” and typing will not affect the text in the webpage. It will still be presented as one line sentence. In order to overcome this, they should use the break tag.

```
<h1>My Personal Webpage</h1>
<hr>
<del>My</del> <i>name</i> <u>is</u> <b>Omar</b>
<br>
And I am attending CPSC 203
```

The second step is to learn how to include links to other pages.

1) Linking to other websites

```
<h1>My Personal Webpage</h1>
<hr>
<del>My</del> <i>name</i> <u>is</u> <b>Omar</b>
<br>
And I am attending <a href="http://pages.cpsc.ucalgary.ca/~tamj/203/">CPSC 203</a>
```

- First, I open the link tag <a> and then I close it at the end
- I add an attribute to the link tag
 -

My Personal Webpage

~~My~~ name is **Omar**

And I am attending [CPSC 203](#)

- Clicking on the word “CPSC 203” will redirect you to the link stored in the href attribute
- The href value can be
 - Another website as shown,
 - Another page in the current folder
 - href="anotherpage.html"
 - Another page in a sub folder
 - href="subfolder/anotherpage.html"
 - A downloadable content or pdf
 - href="somefile.pdf"

- A link can also link to some applications to make your webpage more interactive
 - Linking to your default mailing application
 - `Send Mail`
 - This usually works on phone web browsers but not on desktops

```
<h1>My Personal Webpage</h1>
<hr>

<del>My</del> <i>name</i> <u>is</u> <b>Omar</b>
<br>
And I am attending <a href="http://pages.cpsc.ucalgary.ca/~tamj/203/">CPSC 203</a>

<hr>

<a href="mailto:tam@ucalgary.ca?Subject=203 Mail Test" target="_top">Send Mail</a>

<hr/>
```

My Personal Webpage

~~My~~ *name* is **Omar**

And I am attending [CPSC 203](http://pages.cpsc.ucalgary.ca/~tamj/203/)

[Send Mail](mailto:tam@ucalgary.ca?Subject=203 Mail Test)

Bullets and Numbering

In this section, we will learn how to insert bullet points or numbered list.

As an example, let's list all the TAs in this class.

```
<h1>My Personal Webpage</h1>
<hr>

<del>My</del> <i>name</i> <u>is</u> <b>Omar</b>
<br>
And I am attending <a href="http://pages.cpsc.ucalgary.ca/~tamj/203/">CPSC 203</a>

<hr/>

<a href="mailto:omaddam@gmail.com?Subject=203 Mail Test" target="_top">Send Mail</a>

<hr>

The TAs for this class are:
<br>
<ul>
  <li>Konstantinos Xylogiannopoulos</li>
  <li>Ibrahim Karakira</li>
  <li>Omar Addam</li>
  <li>Mohamad Darianian</li>
  <li>Sukhpreet Dhaliwal</li>
  <li>Arash Niknafs</li>
</ul>
```

- To insert a list, first you have to specify the beginning and the end of the list
 -
- Then for each option, it is should be encapsulated with

Send Mail

The TAs for this class are:

- Konstantinos Xylogiannopoulos
- Ibrahim Karakira
- Omar Addam
- Mohamad Darianian
- Sukhpreet Dhaliwal
- Arash Niknafs

To convert it to a numbered list, you should

- Replace the ` ... ` with ` ... `

The TAs for this class are:

`
`

``

`Konstantinos Xylogiannopoulos`

`Ibrahim Karakira`

`Omar Addam`

`Mohamad Darianian`

`Sukhpreet Dhaliwal`

`Arash Niknafs`

``

1. Konstantinos Xylogiannopoulos
2. Ibrahim Karakira
3. Omar Addam
4. Mohamad Darianian
5. Sukhpreet Dhaliwal
6. Arash Niknafs

Others

The HTML tags are increasing every day.

Some commonly used ones are:

- Embedding an image
- Embedding a video such as youtube

Embedding an image

The TAs for this class are:

```
<br>
<ul>
  <li>Konstantinos Xylogiannopoulos</li>
  <li>Ibrahim Karakira</li>
  <li>Omar Addam</li>
  <li>Mohamad Darianian</li>
  <li>Sukhpreet Dhaliwal</li>
  <li>Arash Niknafs</li>
</ul>

<hr>


```

- The image tag is represented by
- It requires the "src" attribute that specifies the location of the image to be displayed
 - The image can be local: src="lion3.jpg"
 - Or it can be from another website: src=" <http://pages.cpsc.ucalgary.ca/~tamj/lion3.jpg>"
- The width and the height are optional attributes

The TAs for this class are:

- Konstantinos Xylogiannopoulos
- Ibrahim Karakira
- Omar Addam
- Mohamad Darianian
- Sukhpreet Dhaliwal
- Arash Niknafs



Embedding a video

The TAs for this class are:

```
<br>
```

```
<ul>
```

```
  <li>Konstantinos Xylogiannopoulos</li>
```

```
  <li>Ibrahim Karakira</li>
```

```
  <li>Omar Addam</li>
```

```
  <li>Mohamad Darianian</li>
```

```
  <li>Sukhpreet Dhaliwal</li>
```

```
  <li>Arash Niknafs</li>
```

```
</ul>
```

```
<hr>
```

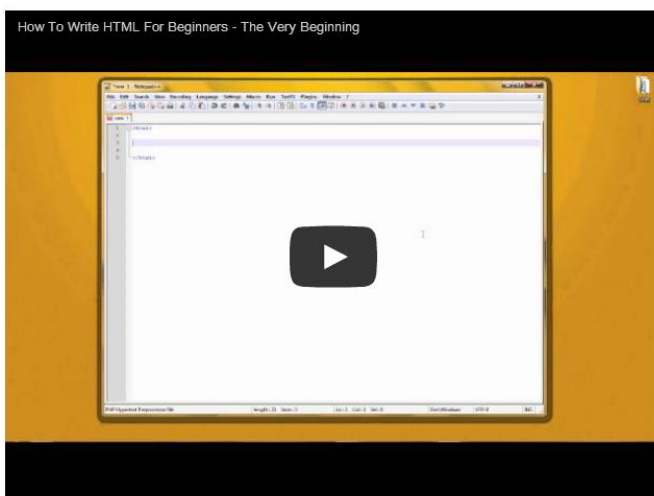
```

```

```
<br/><br/>
```

```
<embed width="420" height="315" src="https://www.youtube.com/watch?v=_JmA2CIUvUY" />
```

- Ibrahim Karakira
- Omar Addam
- Mohamad Darianian
- Sukhpreet Dhaliwal
- Arash Niknafs



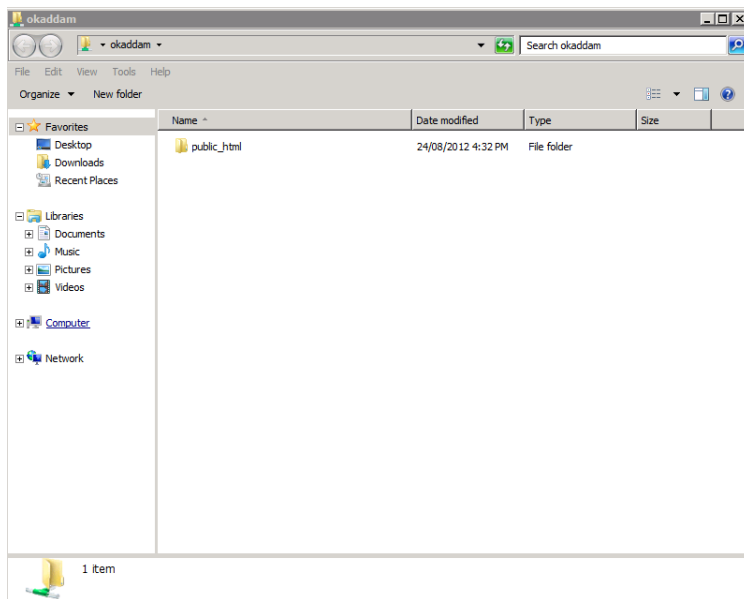
Publishing the website

Once they are done with their website, they can publish it online and enjoy it.

When they sign in to the computer labs they will find the webdisk folder on their desktop.



Inside this folder, they will find another folder called “public_html”.



Inside this folder they should put the files.

They can access it through the browser by putting this url:

https://people.ucalgary.ca/~<username>/public_html/<name_of_file>

Hints

To view something on a browser, you should provide the URL as explained in the previous step.

The URL should include at the end the name of the file being accessed.

https://people.ucalgary.ca/~<username>/public_html/<name_of_file>

Another way of doing it, is name your file index.html so instead of typing in:

https://people.ucalgary.ca/~<username>/public_html/index.html

You can simply type in:

https://people.ucalgary.ca/~<username>/public_html/

[Without the file name]

IT ONLY WORKS WITH index.html (.htm, .php, .asp, etc)

If someone types in the URL without the filename, it will search for the index.html by default and if it did not find, it will list all the files; whether private or not; in that folder.

This is a sample “hello” page I created (grad TA url may differ from new undergrad students)

https://webdisk.ucalgary.ca/~okaddam/public_html/203/index.html

Students do: HTML EXERCISE

Part 1:

Create a web page on their university account with the course name and number as content

Part 2:

Have students download the document 'starting.html' (You can find it under this week's tutorial materials).

Format the starting document so it appears as the text in the solution (image also included in this weeks support material)

Saying of a wise man
Absorb what is useful,
reject what is useless,
Add what is specifically *your own*
--
Bruce Lee