

Practical - Good Websites & HTML

Before we start making things, we're going to do an exercise focusing on the question, "**what makes a good website?**"

Pair up with the person next to you (or make a group of 3) and **write down** the attributes that you think good websites have.

We will then collate and discuss these as a group and determine our priorities...

Note

The prac work in this subject uses a basic text editor such as Notepad ++ or TextWrangler, but you may use whatever you like to build websites in the subject.

Aims:

- To get familiar with using HTML.
- To learn to create a small web site
- To improve your understanding of HTML
- To use headings, paragraphs, images, and links to create a small site containing basic Web pages.
- To find suitable resources for learning more.
- To want to learn more!

Get Started:

To gain experience with HTML, you are going to make a basic 2-page website about yourself, like a portfolio. Follow the instructions, but get interested and do extra stuff if you can.

- Run Notepad++
If it is not installed on your machine you can download it for free from:
<https://notepad-plus-plus.org/download/v7.5.4.html>

It will either start with a blank screen (and you use the File menu to create a new page), or it will have a launch window with options for creating a new page.

Home page

- Create a new, blank page (no template, just start blank), by: Clicking on the **File** menu and choosing **New...**
- Add the following code to your page:

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>

</body>
</html>
```

- This is the bare minimum that is needed to make a web page. Save your file as index.html in a folder on your desktop. Double-click on your file and see what happens. The page is displaying nothing because we haven't added any content yet.
- Now let's add a title for our home page. Enter the text below, between the <head> tags. Don't worry if you don't understand what these tags do yet. We will cover them in detail in later pracs.

```
<head>
<title>My home page</title>
</head>
```

- Run the page. It will still display nothing, but you should see your title in the title bar of the browser.
- Now we'll add some content. First add a heading that says "My name is " and your name. Make sure this code is entered after the first body tag.

```
<body>
<h1>My name is Dianna</h1>
```

- Next we will add an image. Download pizza.jpg from the prac 1 folder and copy it into your prac folder with index.html. Add the following code to display the pizza image:

```

```

- The alt attribute tells screen readers what is in the picture
- Next, use the paragraph tag to surround some text where you describe yourself.

```
<p>I am a very interesting person. I like to .... I am well known for ...  
</p>
```

- Save your page and run it.

A linked page

You are going to make 1 more page called aboutme.html

Start these off very briefly, as the content is not the most important thing, but we need some content to practise formatting it.

- Create a second page (new file) for aboutme and give it a similar title and, at least, appropriately formatted paragraphs):
 - where you were born
 - past jobs
 - your first memory of using the Web
- If you would like a bulleted list you can use the following code:

```
<ul>  
<li>born</li>  
<li>jobs</li>  
<li>memories</li>  
</ul>
```

- Add the icecream.jpg image from the Prac 1 folder and say something about it.
- Save this page as **aboutme.html** - It's best not to use spaces in any filenames for the Web, and they should always be logical names, not page2.html, which you won't recognise later.
- Now we need to make links...
- Underneath the icecream image we need to place a link back to our home page. Use the following code:

```
<a href="index.html">Home</a>
```

- Save your page and run it. When you click the link it should return you to index.html.

- Put a link tag on the home page to link to aboutme.html. Run it, and make sure the links work.

Extension exercises:

Go to the W3C HTML5 tutorial at: <https://www.w3schools.com/html/default.asp>

Try out three new tags and put them in your site. Some things you might like to try are:

- ordered lists (lists with numbers)
- clickable images (an image in an anchor tag)
- email link (how is this different than a regular anchor tag?)