**HTML TAGS & SEMANTICS**

The semantics and hierarchical structure of the HTML document is important for a variety of reasons:

1. The content is organized.
2. It’s accessible without the need of vision.
3. Web page is optimized for search engines.

HTML Document

Every HTML document has a basic structure which is required to be valid.

<!DOCTYPE html> (defines type of document)

<html lang=”en”>

<head>

<meta charset=”UTF-8”> (tells the browser about the encoding of the characters)

<title>Document</title> (title of the website displayed on top of the tab in the browser, not on the page)

</head>

<body> (main body and what we see in our browsers)

</body>

</html>

* The <html></html> tag has two child tags <head></head> is the **brain** of the document, this is where we add **the information about the document and links to the stylesheets which are the CSS documents**. This information is mainly for use of the browsers and is mostly not displayed to the users.
* Meta charset and title tags should always be used on the head.
* UTF-8 encoding covers many languages in the world.
* <!-- --> is a comment element used for adding invisible notes.

Parent-child relation

Parent: the element that contains other elements.

Child: the element that is inside another element.

Sibling: the element that is also inside the same parent element.

For ex.:

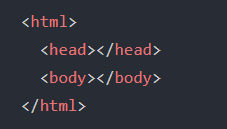
<head> </head> is the parent.

<meta charset=”UTF-8”> and <title></title> are the children of <head></head>

<meta charset=”UTF-8”> and <title></title> are siblings.

Indentation

We use indentation to properly structure the code. Makes the reading easier. (using *tab* key)



Page layout

Page layout semantic tags are used to give specific meaning to the parts of our page, such as the main article, header, footer, navigation, different sections of the page, etc.

<header> when used as the child of <body> acts as the master header of the page.

When added inside the <article> tag it acts as the header of the article.

<footer> when used as the child of <body>