

Structure tags

Every valid HTML or XHTML tag should have the following document structure components:

A **<!DOCTYPE> tag**. The DOCTYPE declaration determines how the interpreter (web browser) will render all markup in the document. It specifies the markup language, its version and flavor. It is also points on the W3C.org document, called **DTD** or **Document Type Definition** that contains all the details about this language's elements, attributes and values. Each valid HTML/XHTML document should start with the **<!DOCTYPE>** tag.

<html> tag – starts the HTML code. This tag must be closed at the end of the document.

<head> tag – contains other tags that are used by a web browser to correctly render the page or by Search Engines to index the page. Often, we place JavaScript, Cascading styles rules in the **<head>** section.

The information provided in the head section doesn't appear in the browser window.

<meta> tags – specify various information about document, such as brief description of the page content, keywords that help Search Engines to index the page, or the name of the author of the web page. **<meta>** tags are placed between the **<head>** and **</head>** tags.

A **<link> tag** – references a style sheet. Style sheet is the external file that controls the page formatting. The **<link>** tag is placed between the **<head>** and **</head>** tags.

A **<title> tag** – inserts the document title. This title appears on the title bar of your browser window and specifies what this page is about. **<title>** tag is placed between **<head>** and **</head>** tags

A **<body> tag** – this tag includes actual content of the web page. It includes all the elements (tags and content) that a web browsers displays within the browser window.

Sample HMTL5 Structure code

| | | |
|---------------------------------------|---|---|
| DTD - Document type Definition | ➔ | <code><!DOCTYPE html ></code> or <code><!doctype html></code> (HTML5 is not case sensitive language) |
| Beginning of HTML document | ➔ | <code><html></code> |
| Beginning of head section | ➔ | <code><head></code> |
| Meta tags | ➔ | <code><meta charset="utf-8" /></code> |

| | | |
|-----------------------------------|---|---|
| Link to style sheet | → | <code><link href="styles.css" rel="stylesheet" type="text/css" /></code> |
| Title tag | → | <code><title>Creates a page title</title></code> |
| End of the head section | → | <code></head></code> |
| Beginning of document body | → | <code><body></code> |
| Actual page Content | → | <code><p> Actual page content that appears in the browser window</p></code> |
| End of the document body | → | <code></body></code> |
| End of HTML document | → | <code></html></code> |

Adding hidden comments

When creating markup pages, you can use comments to make some code invisible, to experiment with particular formatting, inform others about important elements in the code you are creating, or remind yourself why you inserted a particular piece of code.

To hide comments within your HTML source code use the following syntax:

`<!-- comments inserted here -->`