

# The Basics Of A Webpage

WEB PROGRAMMING FUNDAMENTALS

web design and development  
full sail university





# index.html

## HTML

- HyperText Markup Language
  - Basics In This Class



# Basic Page

```
index.html x
1  <!DOCTYPE html>
2  <html>
3  <head lang="en">
4      <meta charset="UTF-8">
5      <title>Title Of Document</title>
6  </head>
7  <body>
8      The content of the document.
9  </body>
10 </html>
```



# <!DOCTYPE>

- Very first thing in your HTML document
- Not an HTML tag
- Instruction to the web browser about what version of HTML the page is written in

```
index.html x
1 |<!DOCTYPE html>
2 |<html>
3 |<head lang="en">
4 |   <meta charset="UTF-8">
5 |   <title>Title Of Document</title>
6 |</head>
7 |<body>
8 |   The content of the document.
9 |</body>
10|</html>
```



# <html>

- Tells the browser that this is an HTML document.
- Root of an HTML document.
- Container for all other HTML elements (except for the <!DOCTYPE> tag).
- Must have a closing tag </html>

```
index.html x
1 |<!DOCTYPE html>
2 |<html>
3 |<head lang="en">
4 |   <meta charset="UTF-8">
5 |   <title>Title Of Document</title>
6 |</head>
7 |<body>
8 |   The content of the document.
9 |</body>
10|</html>
```



# <head>

- Container for all the head elements.
- Must include a title for the document, and can include scripts, styles, meta information, and more.

```
index.html x
1  |<!DOCTYPE html>
2  |<html>
3  |<head lang="en">
4  |     <meta charset="UTF-8">
5  |     <title>Title Of Document</title>
6  |</head>
7  |<body>
8  |     The content of the document.
9  |</body>
10 |</html>
```



# <meta>

- Metadata about the HTML document
- Metadata will not be displayed on the page, but will be machine parsable.
- Specify page description, keywords, author, last modified, etc...
- Used by browsers (how to display content or reload page), search engines (keywords), or other web services.
- Charset attribute specifies the character encoding for the HTML document.
- UTF-8 Unicode

```
index.html x
1 |<!DOCTYPE html>
2 |<html>
3 |<head lang="en">
4 |   <meta charset="UTF-8">
5 |   <title>Title Of Document</title>
6 | </head>
7 | <body>
8 |   The content of the document.
9 | </body>
10|</html>
```



# <title>

- Required in all HTML documents
- Defines the title of the document
- Defines a title in the browser toolbar aka Tab
- Provides a title for the page when it is added to favorites
- Displays a title for the page in search-engine results

```
index.html x
1 |<!DOCTYPE html>
2 |<html>
3 |<head lang="en">
4 |   <meta charset="UTF-8">
5 |   <title>Title Of Document</title>
6 |</head>
7 |<body>
8 |   The content of the document.
9 |</body>
10|</html>
```





# <body>

- Defines the document's body
- Contains all the contents of an HTML document
  - text
  - hyperlinks
  - images
  - tables
  - etc.

```
index.html x
1 |<!DOCTYPE html>
2 |<html>
3 |<head lang="en">
4 |   <meta charset="UTF-8">
5 |   <title>Title Of Document</title>
6 |</head>
7 |<body>
8 |   The content of the document.
9 |</body>
10|</html>
```



# <script>

```
1 |
2 <!DOCTYPE HTML>
3 <html>
4   <head>
5     <title>This is my first HTML page.</title>
6     <script src="js/script.js"> </script>
7   </head>
8   <body>
9     <!-- write a note -->
10  </body>
11 </html>
```



# <script>

- Defines a client-side script, such as a JavaScript.
- Contains scripting statements
- OR it points to an external script file through the src attribute

```
1 |
2 <!DOCTYPE HTML>
3 <html>
4   <head>
5     <title>This is my first HTML page.</title>
6     <script src="js/script.js"> </script>
7   </head>
8   <body>
9     <!-- write a note -->
10  </body>
11 </html>
```



# <script> src

- Specifies the URL of an external script file
- `<script src="script.js"> </script>`



# <script> type

- Specifies the MIME (Multipurpose Internet Mail Extensions) type of a script.
- Identifies the content between the <script> and </script> tags.
- The MIME type consists of two parts: one media type and one subtype. For JavaScript, the MIME type is "text/javascript".
- <script type="text/javascript"> </script>