

Terms

Element: A single piece of a web page.

Tag: How an element is coded for the browser to interpret. Tags are not shown by the browser, they are rendered.

- Elements that **have content** must have an open (start) and close (end) tag
- Elements that have **no content** do not need a close tag

Nested Tags: When an element tag is within another element tag it is nested.

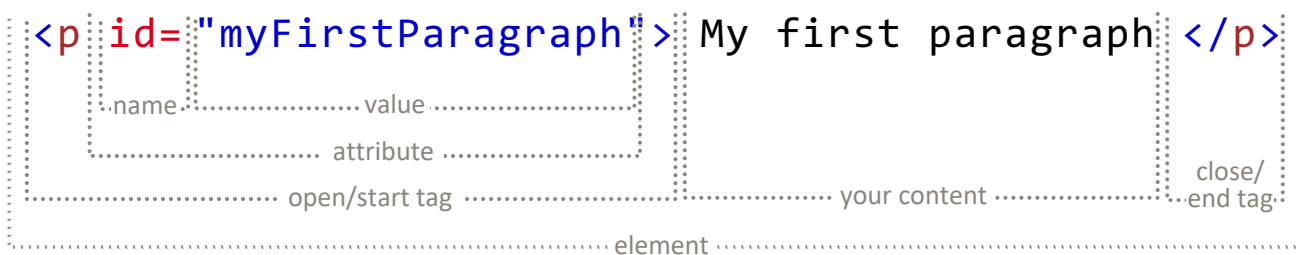
- Multiple tags can be nested within a tag
- Use tabs to identify nested tags. This allows you to easily see the structure of your HTML page

Attribute: Added information about an element defined in the element's tag.

- Attributes are defined in the open/start tag
- Defined as name/value pairs: attributename="value"

Structure

Tag Structure



HTML Page Structure

Every webpage must have the following:

```
<!DOCTYPE html>
<html>
```

Nested
tags

```
<head>
```

*This is where the web page thinks and communicates with the browser
– add elements like styles, scripts, metadata*

```
</head>
```

```
<body>
```

*This is what the website shows
– add elements like text, images, videos*

```
</body>
```

```
</html>
```

Tags Discussed in Class

Opening Tag	Closing Tag	Description
<code><!DOCTYPE html></code>	none	Defines the document type to a web browser. This tag is required at the start of your webpage so the browser knows how to render the code of your web page.
<code><html></code>	<code></html></code>	Also defines the document type, as well as being the container for the rest of the web page. All tags must be nested inside this tag.
<code><head></code>	<code></head></code>	This is where the web page thinks and communicates with the browser – nest style, script, and metadata elements inside this tag.
<code><body></code>	<code></body></code>	This is what the website shows – add elements like text, images, videos.
<code><title></code>	<code></title></code>	This tag is nested in the head tag and tells the browser what the title of the web page is. The title will appear in browser tab and as the bookmark title if a user bookmarks the web page.
<code><h1></code> to <code><h6></code>	<code></h1></code> to <code></h6></code>	Headings: H1 = largest; H6 = smallest, etc.
<code><p></code>	<code></p></code>	Paragraph
<code>
</code>	none	Line break. This tag does not contain any content so it does not require a closing tag.