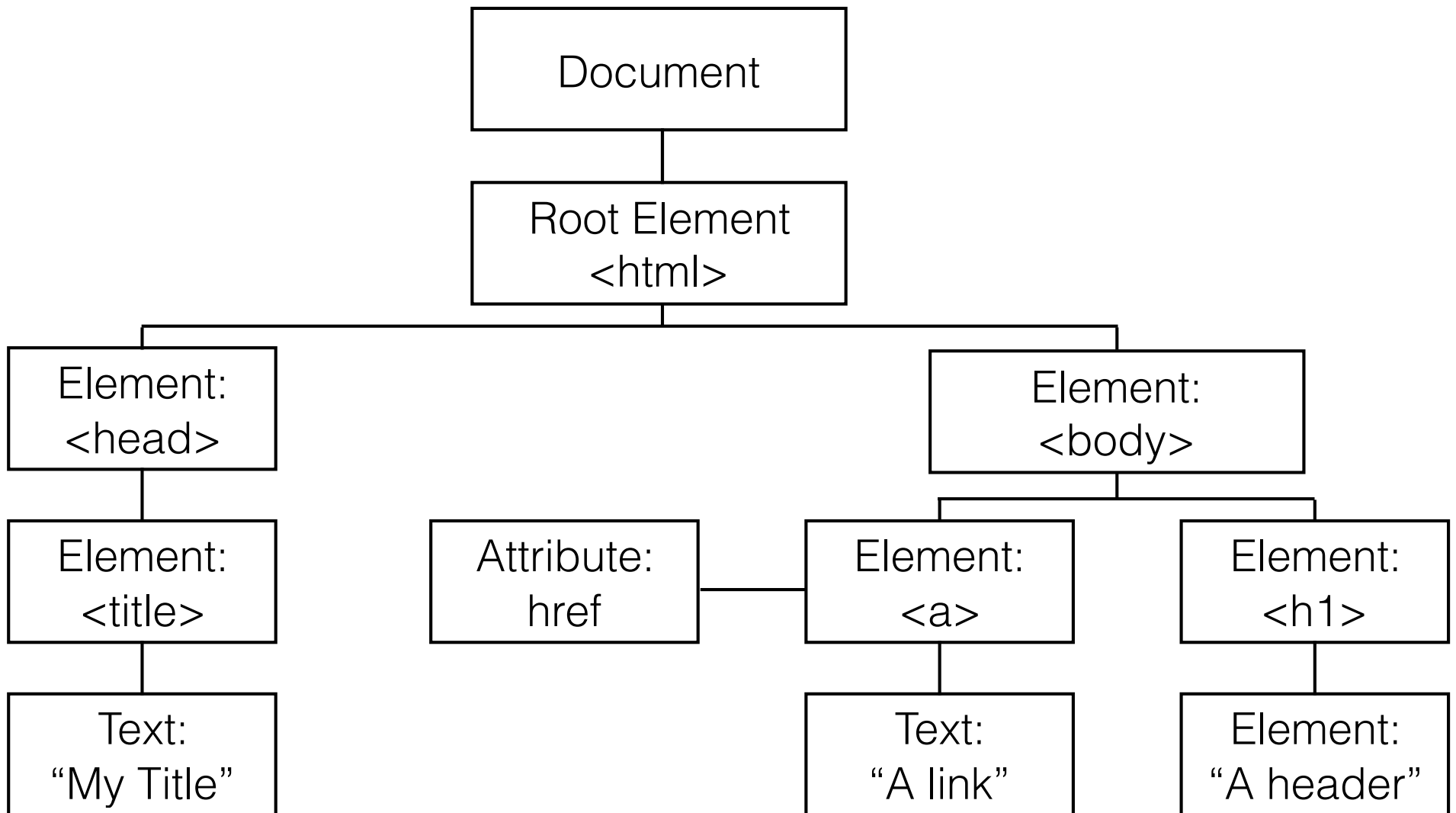


DOM

DOM - Document Object Model



BOM: Browser Object Model

Name	Description
document	DOM (current HTML page)
history	List of pages user has visited
location	URL of current page
navigator	Info about the browser
screen	Screen area (viewport) occupied by the browser.
window	The browser window

window

- Top level object in the Browser Object Model
- Methods include:
 - `alert, confirm, prompt` (popup boxes)
 - `setInterval, setTimeout clearInterval, clearTimeout` (timers)
 - `open, close` (popping up new browser windows)
 - `blur, focus, moveBy, moveTo, print, resizeBy, resizeTo, scrollBy, scrollTo`

document

Current web page and its elements

- Properties:
 - `anchors`, `body`, `cookie`, `domain`, `forms`,
`images`, `links`, `referrer`, `title`, `URL`
- Methods:
 - `getElementById`
 - `getElementsByName`
 - `getElementsByTagName`
 - `close`, `open`, `write`, `writeln`

Location: URL of the current page

- Properties:
 - `host`, `hostname`, `href`, `pathname`, `port`,
`protocol`, `search`
- Methods:
 - `assign`, `reload`, `replace`

Navigator: Information about the web browser

- Properties:
 - `appName`, `appVersion`, `browserLanguage`,
`cookieEnabled`, `platform`, `userAgent`

Screen : information about the display screen

- Properties: `availHeight`, `availWidth`, `colorDepth`, `height`, `pixelDepth`, `width`

Difference?

- *Screen* is what's visible to you
- *Window* is the browser window including scrollbars, navigation, bookmark bars, etc
- *Document* can be larger than the screen/window

- The history object keeps a list of sites that the browser has visited in this window.
- Properties: `length`
- Methods: `back`, `forward`, `go`
- Sometimes the browser won't let scripts view history properties, for security reasons.

document traversal

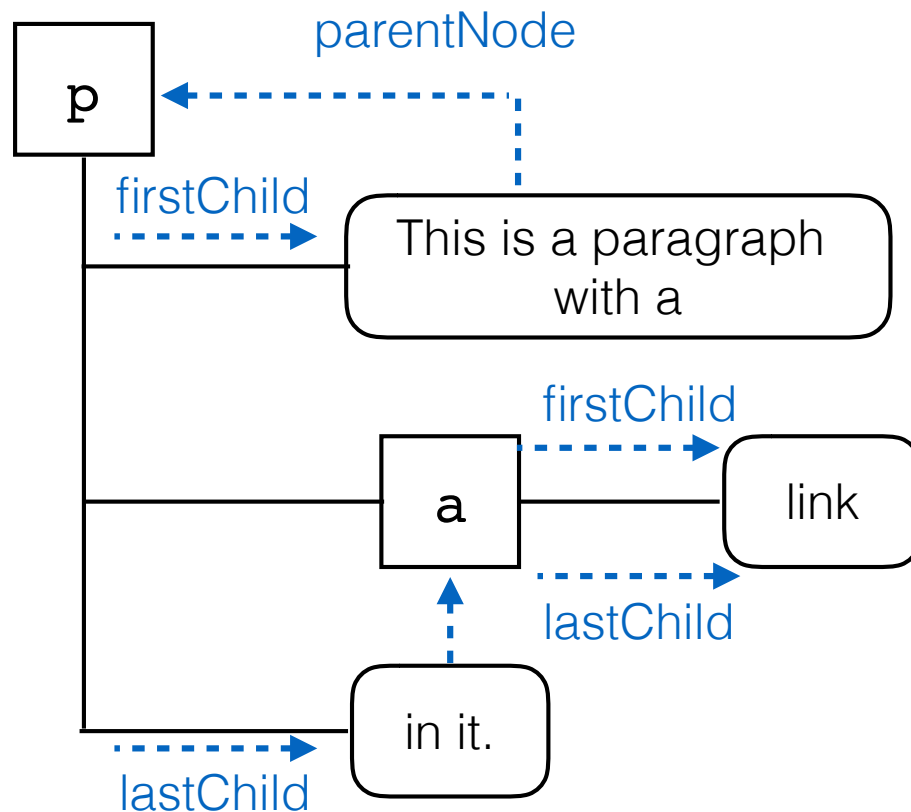
Name	Description
<code>firstChild</code> <code>lastChild</code>	Start/end of this node's list of children.
<code>childNodes</code>	Array of all this node's children
<code>nextSibling</code> <code>previousSibling</code>	Neighbouring nodes with the same parent.
<code>parentNode</code>	Node that contains this node

<p>

This is a paragraph with a

link in it.s

</p>



Name	Description
<code>document. createElement("tag")</code>	Create and return a new empty DOM nodes
<code>document. createTextNode("text")</code>	Create and return a text node with the given text
<code>appendChild(node)</code>	place node at end of this node's children
<code>insertBefore(new, old)</code>	place given new node just before old child
<code>removeChild(node)</code>	remove node from this child list
<code>replaceChild(new, old)</code>	replace node

Events

mouse

- onclick, ondblclick, onmousedown/up/over/move/out

keyboard

- onkeypress/down/up

form

- onblur/focus/select/change/reset/submit

frame

- onload/abort/resize/scroll/unload