

LESSON 9

DOM EVENTS & BOM

URI / URL

▶ <http://google.com:80/help?user=ivan&age=27#hash>

▶ Protocol

▶ Host

▶ Port

▶ Path

▶ GET parameters

▶ Hash

EVENTS

- ▶ `onclick=""` inline
- ▶ `element.onclick = function() {...}`
- ▶ `element.addEventListener() {}`
`element.removeEventListener() {}`

EVENT DELEGATION

STANDARD

load	UIEvent	A resource and its dependent resources have finished loading.
change	Event	The <code>change</code> event is fired for <code><input></code> , <code><select></code> , and <code><textarea></code> elements when a change to the element's value is committed by the user.
focus	FocusEvent	An element has received focus (does not bubble).
blur	FocusEvent	An element has lost focus (does not bubble).
copy	ClipboardEvent	The text selection has been added to the clipboard.
cut	ClipboardEvent	The text selection has been removed from the document and added to the clipboard.
paste	ClipboardEvent	Data has been transferred from the system clipboard to the document.

KEYBOARD

Event Name	Fired When
keydown	ANY key is pressed
keypress	ANY key (except Shift , Fn , or CapsLock) is in a pressed position (fired continuously).
keyup	ANY key is released

MOUSE

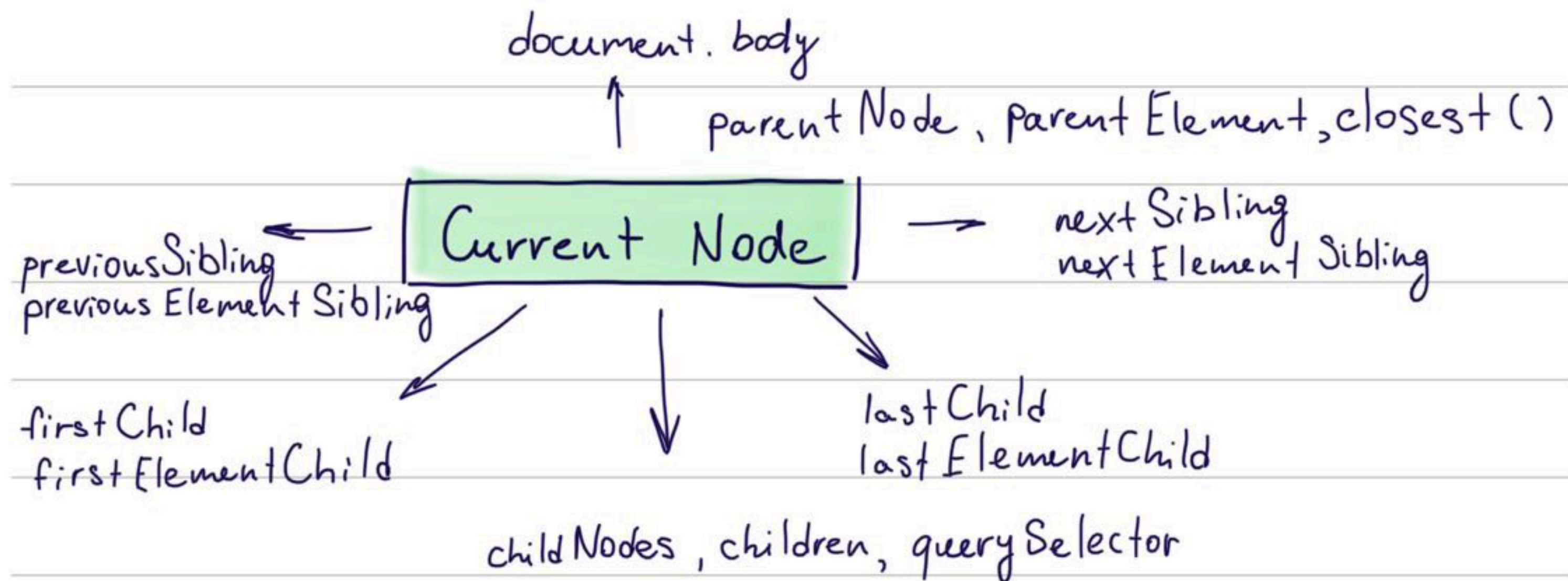
Event Name	Fired When
click	A pointing device button (ANY button; soon to be primary button only) has been pressed and released on an element.
contextmenu	The right button of the mouse is clicked (before the context menu is displayed).
dblclick	A pointing device button is clicked twice on an element.
mousedown	A pointing device button is pressed on an element.
mouseup	A pointing device button is released over an element.

mouseenter	A pointing device is moved onto the element that has the listener attached.
mouseleave	A pointing device is moved off the element that has the listener attached.
mousemove	A pointing device is moved over an element (fired continuously as the mouse moves).
mouseover	A pointing device is moved onto the element that has the listener attached or onto one of its children.
mouseout	A pointing device is moved off the element that has the listener attached or off one of its children.
select	Some text is being selected.
wheel	A wheel button of a pointing device is rotated in any direction.

DOM TRAVERSING

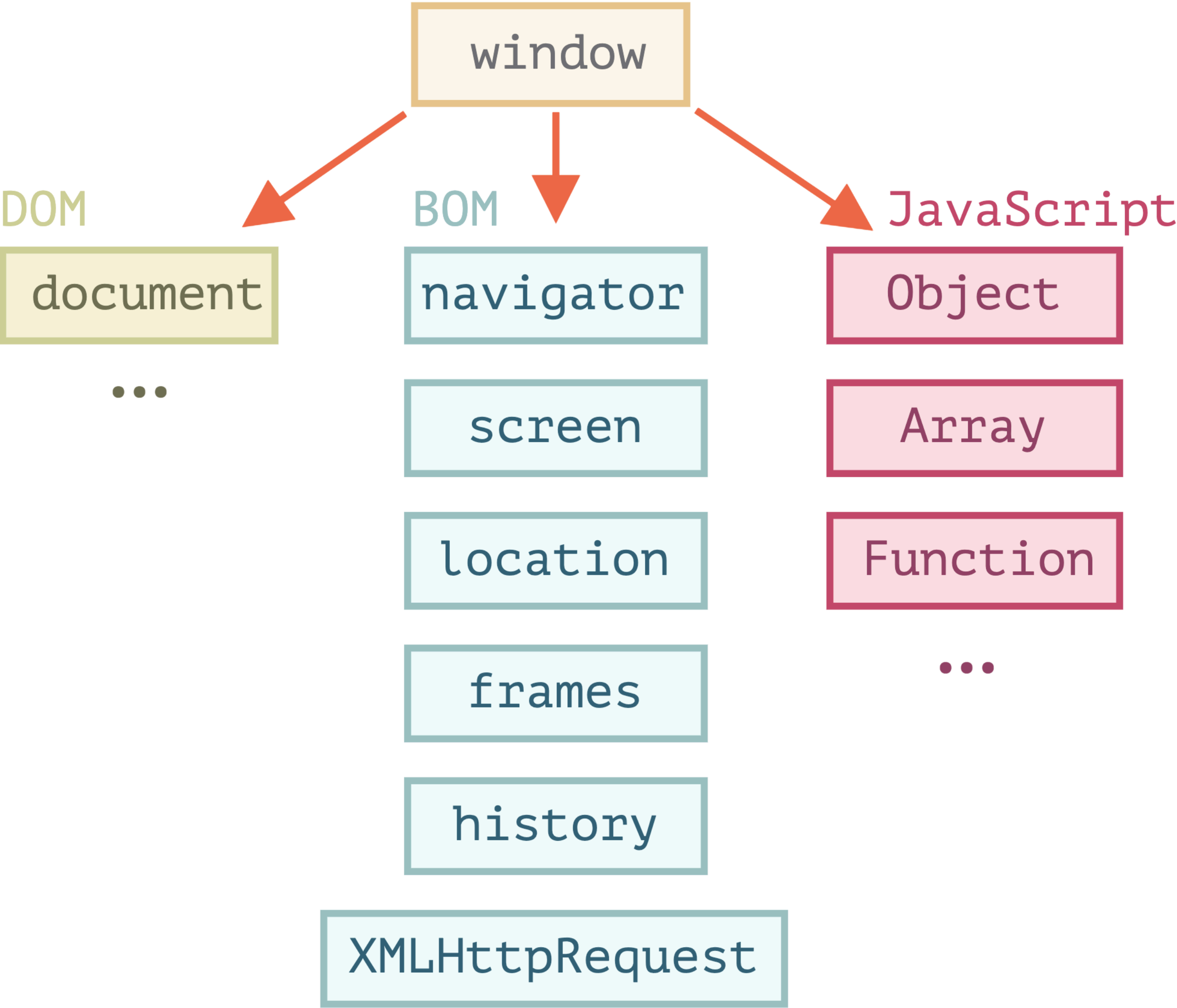
Traversing The DOM

child, descendant, parent, ancestor



WINDOW

- ▶ alert, prompt, confirm, clearInterval, clearTimeout, setInterval, setTimeout
- ▶ open, close, resizeTo, scrollTo



BUBBLING AND CAPTURING

- ▶ Capture phase
- ▶ Target phase
- ▶ Bubbling phase

```
addEventListener(event, handler)
```

