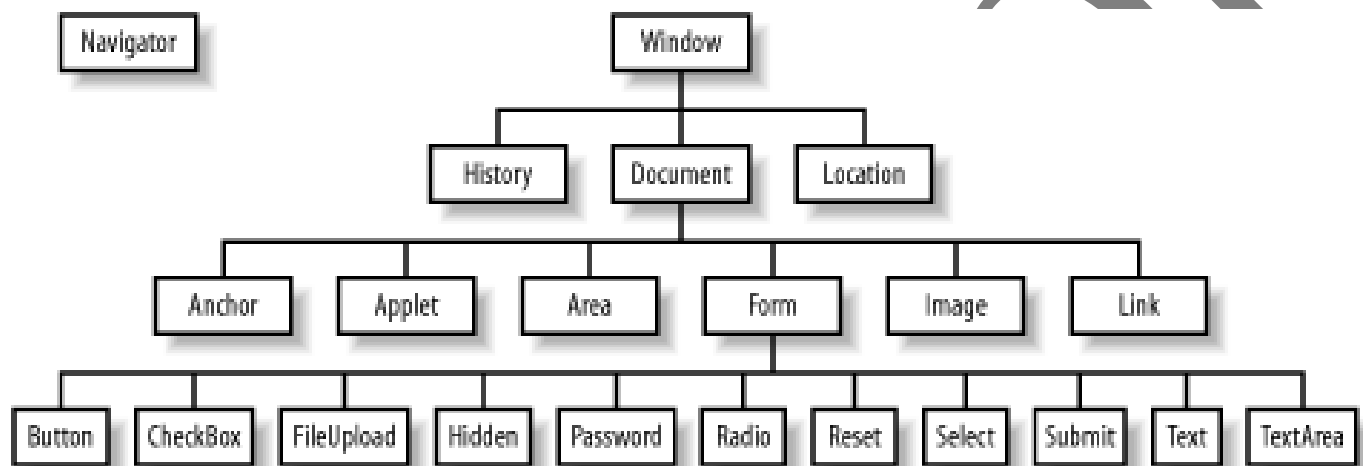


### HTML Document Object Model

The W3C Document Object Model (DOM) is a platform and language-neutral interface that allows programs and scripts to dynamically access and update the content, structure, and style of a document.

According to DOM

- The HTML elements as **objects**
- The **properties** of all HTML elements
- The **methods** to access all HTML elements
- The **events** for all HTML elements



### Working with HTML form and its elements

#### Form Element Properties

Text, Textarea, Password	name, defaultValue, value, type, disabled, length
Button, Reset, Submit	value, name, type, disabled
Checkbox	name, defaultChecked, value, checked, type, disabled
Radio button	name, defaultChecked, value, checked, type, length, disabled
Selection list	name, length, options[i], selectedIndex, multiselect, disabled
Option	index, selected, text, value, defaultSelected,
File Upload Field	name, value, disabled
Hidden	name, value, type, disabled
Form	action, elements[i], encoding, method, name, target.

#### Form Element Methods:

Text, Textarea, Password	select(), blur(), focus(),
Button, Checkbox, Radio, Reset, Submit	click(), focus()
Selection list	blur(), focus().

Form	submit(), reset()
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**Form Elements Events**

Text, Textarea, Password	onBlur, onChange, onFocus, onSelect.
Button, Checkbox, Radio, Reset, Submit	onClick, onChange
Select	onBlur, onChange, onFocus.
Form	onSubmit, onReset.

**Other DOM Objects****Properties:**

Object	Properties
Window	status, defaultStatus, frames[i], name, parent, self, top, window, opener, location, document, closed, innerHeight, innerWidth, outerHeight, outerWidth, pageXOffset, pageYOffset, screen, screenLeft, screenTop
Screen	availHeight (width excluding Taskbar), availWidth, height, width, pixelDepth
Document	doctype, alinkColor, linkColor, vlinkColor, domain, anchors[i], bgColor, fgColor, cookie, baseURI, lastModified, location, referrer, title, URL, forms[i], links[i], applets[i], embeds[i], images[i]
History	length, current, next, previous.
Frame	frames[i], parent, self, top, window.
Location	hash, host, hostname, href, pathname, port, protocol, search.
Navigator	appName, appVersion, mimeTypes, plugins, userAgent.
Link	target, href
Image	border, complete, height, hspace, lowsrc, name, src, vspace, width, disabled

**Methods**

Object	Methods
Window and Frame	alert(message), close(), confirm(message), open(url, name, features), prompt(message, initialvalue), setTimeout(expr,time), clearTimeout(id), setInterval(expr,time), clearInterval(id), focus(), scrollTo(x, y), moveTo(x,y), moveBy(dx,dy), resizeTo(x,y), resizeBy(dx,dy), print()
Document	clear(), close(), open("mimetype"), write(String), writeln(String), getElementById, getElementsByTagName(string), getElementsByClassName(string), addEventListener(eventName, function)
History	back(), forward(), go(int/ "URL").
Location	reload(), replace(url)
Navigator	javaEnabled()

**Events**

Object	Event Handlers Available
Window	onLoad, onUnload, onBlur, onFocus, onResize
Frame	onBlur, onFocus.
Link	onMouseOut, onClick, onMouseOver.
Clickable Image area	onMouseOver, onMouseOut.
Image	onAbort, onError, onLoad.