**Properties of the navigator Object**

**Property What It Describes**

appCodeName Code name for the browser.

appName Name of the browser.

appVersion Version of the browser.

mimeTypes An array of MIME types supported by the browser.

platform The operating system where the browser resides.

userAgent HTTP user-agent header sent from the browser to the server.

**Properties of the window Object**

**Property What It Describes**

closed True if the window is closed.

defaultStatus The default status message displayed in the status bar at the bottom of the window.

document The document object that is currently displayed in the window.

frames An array of frame objects within the window.

history The history object containing the URLs last loaded into the window.

length The number of frames within the window.

location The URL of the current window.

name The name of the window.

offscreenBuffering Used to draw new window content and then copy it over existing content when complete; controls screen updates.

opener The window that opened the current window.

parent Indicates a window that contains another window (used with frames).

screen Displays information about the screen, such as height, width (in pixels).

self Refers to the current window. For all windows, the self and window properties of a window object are synonyms for the current window, and you can optionally use them to refer to the current window.

status Specifies a temporary message in the status bar, resulting user interaction.

top The topmost window containing a particular window (used with frames).

window Identifies the current window being referenced, synonymous with self.

**Methods of the window Object**

**Method What It Does**

alert(text) Creates a rectangular dialog box with a message in it.

blur() Removes focus from the window.

clearInterval(interval) Clears a previously set interval timer.

clearTimeOut(timer) Clears a previously set timeout.

close() Closes a window.

confirm() Creates a dialog box for user confirmation.

focus() Gives the focus to a window.

open(url, name, [options]) Opens a new window and returns a new window object.

prompt(text, defaultInput) Creates a dialog prompt box to ask for user input.

scroll(x, y) Scrolls to a pixel position in a window.

setInterval(expression, milliseconds) After a specified interval, evaluates an expression

setInterval(function, milliseconds, [arguments]) After a specified interval, evaluates a function

setTimeout(expression, milliseconds) After a timeout period has elapsed, evaluates an expression.

setTimeout(function, milliseconds, [arguments]) After a timeout period has elapsed, evaluates a function.

**The open() Method and Its Options**

**Option Values Gives the Window**

directories Yes/no or 1/0 Directory buttons

height Integer value Height in pixels

location Yes/no or 1/0 A location box

menubar Yes/no or 1/0 A menu bar

resizable Yes/no or 1/0 The ability to be resized

scrollbars Yes/no or 1/0 Scrollbars along the side

status Yes/no or 1/0 A status bar

toolbar Yes/no or 1/0 A toolbar

width Integer value Width in pixels

**Move and Resize Methods**

**Method Example What It Does**

moveBy() moveBy(20,20) Moves the window relatively by 20 pixels.

moveTo() moveTo(0,0) Moves to the top, left corner of the screen.

resizeBy() resizeBy(15,10) Resizes the window relatively by 15 × 10 pixels.

resizeTo() resizeTo(450,350) Resizes the window absolutely to 450 × 350 pixels.

**Timers**

**Timing Methods What They Do**

setTimeout() Invokes a function or evaluates an expression or a function when the number of milliseconds has passed.

setInterval() Invokes a function or evaluates an expression or a function at set intervals in milliseconds.

**Properties of the location Object**

**Property What It Describes in the URL**

hash If it exists, the anchor part.

host The hostname:port.

hostname The hostname.

href The entire URL.

pathname The pathname.

port The port number.

protocol The protocol and colon.

search The query string.

**Methods of the location Object**

**Method What It Does**

reload() Reloads the current URL.

replace() Replaces the current page with a new one.

unwatch() Removes a watch point on the location property.

watch() Sets a watch point on the location property; that is, calls a function if the property changes.

**Properties of the history Object**

**Property What It Describes in the URL**

current The current document URL.

length The number of entries in the history object.

next The URL of the next document in the history object.

previous The URL of the previous document in the history object.

search The query string.

**Methods of the history Object**

**Method What It Does**

back() Goes to the previous URL entry in the history list; like the browser’s back button.

forward() Goes to the next URL entry in the history list; like the browser’s forward button.

go() The browser will go forward or back (if the value is negative) the number of specified pages in the history object.

**Properties of the screen Object**

**Property What It Describes**

availHeight The pixel height of the screen, minus toolbars, and so on.

availLeft The x coordinate of the first pixel, minus toolbars, and so on.

availTop The y coordinate of the first pixel, minus toolbars, and so on.

availWidth The pixel width of the screen, minus toolbars, and so on.

colorDepth The maximum amount of colors that the screen can display.

height The pixel height of the screen.

pixelDepth The number of bits per pixel of the screen.

width The pixel width of the screen.