Popups and window methods

A popup window is one of the oldest methods to show additional document to user.

Basically, you just run:

```
window.open('https://javascript.info/')
```

Window.open
The syntax to open a popup is: `window.open(url, name, params)`:

url

An URL to load into the new window.
Name

A name of the new window. Each window has a **window.name**, and here we can specify which window to use for the popup. If there's already a window with such name – the given URL opens in it, otherwise a new window is opened.

params

The configuration string for the new window. It contains settings, delimited by a comma. There must be no spaces in params, for instance: `width=200,height=100`.
Settings for `params`:

- Position:
- `left/top` (numeric) – coordinates of the window top-left corner on the screen. There is a limitation: a new window cannot be positioned offscreen.
- `width/height` (numeric) – width and height of a new window. There is a limit on minimal width/height, so it's impossible to create an invisible window.
- Window features:
- `menubar` (yes/no) – shows or hides the browser menu on the new window.
- `toolbar` (yes/no) – shows or hides the browser navigation bar (back, forward, reload etc) on the new window.
- `location` (yes/no) – shows or hides the URL field in the new window. FF and IE don't allow to hide it by default.
- `status` (yes/no) – shows or hides the status bar. Again, most browsers force it to show.
- `resizable` (yes/no) – allows to disable the resize for the new window. Not recommended.

- `scrollbars` (yes/no) – allows to disable the scrollbars for the new window. Not recommended.

A **minimalistic window** typically refers to a user interface (UI) window in a software application or operating system that has a clean, simple design with minimal visual elements and distractions.

```
let params = `scrollbars=no,resizable=no,status=no,location=no,toolbar=no,menubar=no,
width=0,height=0,left=-1000,top=-1000`;


open('/', 'test', params)
```

Rules for omitted settings:

- If there is no 3rd argument in the `open` call, or it is empty, then the default window parameters are used.
- If there is a string of params, but some `yes/no` features are omitted, then the omitted features assumed to have no value. So if you specify params, make sure you explicitly set all required features to yes.
- If there is no `left/top` in params, then the browser tries to open a new window near the last opened window.
- If there is no `width/height`, then the new window will be the same size as the last opened.

Accessing popup from window

The call open returns a reference to the new window. It can be applied for manipulating its properties, changing the location, and so on.

Accessing window from popup

It is null for all windows except popups. If you run the code below, it replaces the opener (current) window content with "Test": let newWin = window . open ("about:blank" , "hello" , "width=200,height=200") ; newWin.

Closing a Popup

The window.close() method could be used to close a window.

The close method closes only windows opened by JavaScript using the open method. If you attempt to close any other window, a confirm message is displayed, asking the user to choose whether the window is to be closed or not. If you have the reference to a window, you can use the reference to the window to close.

For example:

popup_window = window.open("");

.....

popup_window.close ();

You can close the current window using self.close (); For example:

Close this Window

Scrolling and Resizing

Methods	Description
moveBy(dx, dy)	Moves a window by the specified amount in pixels
moveTo(x, y)	Moves a window **to** the specified pixel values
scrollBy(dx, dy)	Scrolls a window by the specified amount in pixels
scrollTo(x, y)	Scrolls a window **to** the specified pixel values
resizeBy(dx, dy)	Resizes a window by the specified amount in pixels
resizeTo(x y)	Resizes a window **to** the specified pixel values

Focus/Blur on a window

Javascript Window Blur() method is used to remove focus from the current window. i.e, It sends the new open Window to the background. Parameter: It does not require any parameters. Return Value: It does not return any value.

Coding a Popup

```
<div class="popup" onclick="myFunction()">
  <span class="popuptext" id="myPopup">            </span>
</div>
```