WDD330

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W02 Reading (L3)

The Window Object

1. The Browser Object Model (BOM)

BOM is used to interact with the browser and is a collection of properties and methods that contain information about browser and computer screen:

* Window：ブラウザのウィンドウ全体
* Document：[DOM（Document Object Model）](http://design.kyusan-u.ac.jp/OpenSquareJP/?JavaScript/DOM" \o "JavaScript/DOM)
* Location ：URL情報
* Navigator：ブラウザの種類やバージョン等
* History：閲覧履歴
* Screen：モニターの情報
* Console：コンソールへの出力
* Storage：Webストレージ

1. The browser history

The window.history property can be used to access information about pages that you visited.

window.history.length : how many pages have been visited before arriving at the current page.

window.history.go() ; can be used to go to a specific page.

window.history.go (1); goes forward 1 page.

window.history.go(0); reloads the current page.

window.hisotry.go(-1); goes back 1 page.

1. Cookie

* Cookies are limited to storing up to $KB of data, 20 cookies are allowed per domain.
* It is also used for personalizing a user’s browsing experience, storing user preferences, keep tracking of user choice(a shopping cart)
* To delete cookies, you need to set it to expire at time in the past.

e.g. document.cookie = 'name=Batman; expires=Thu, 01 Jan 1970 00:00:01

-if a cookie is a session cooki, it will expire when the tab or window is closed.

Library: [Cookies.js](https://github.com/ScottHamper/Cookies)

1. Timing Functions

setTimeout(): for scheduling the executioin of a function  
e.g. window.setTimeout( () => alert("Time's Up!"), 3000);   
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SetInterval(): it is a similar way to setTimeout(), except that it will repeatedly invoke the callback function.

1. Animation

* To start the animation, we need to call the requestAnimationFrame() method, giving the rotate() function as an argument.
* To stop the animation, using the window.cancelAnimationFrame() method:

cancelAnimationFrame(id);

* CSS is also used for animation