

1. Load images in advance with the Image object

In this exercise it helps if you either have a slow connection or very large images.

Download five images in png or jpeg format which is larger than 2 Mb in size. If you have difficulty to find large images search for BMP files or create own BMP images by saving other image files as BMP.

Start from the attached example (jsef folder) where full size images are presented in the large

div-section when doing onclick on the small thumbnails above. This and similar image effects are called image rollovers.

To load the images in advance we need to create objects of type Image with new Image().

This page have some explanation how to solve it:

<http://www.pageresource.com/jscript/jpreload.htm> or just search "preload images rollovers javascript".

Note:

- Once you have downloaded the images you need to empty the cache of the browser, so it is forced to download the pictures again.
- Of course it takes the the same amount of time to download the images, but with this way you can affect when the images is to be downloaded.

2. CSS pop-up and cookie

To show pop-up windows is usually a real pain for the user. Therefore it is more or less blocked in browsers today. But to show a pop-up note can be handy at certain times. Mostly to attract attention of things that are really important. If it is a DHTML pop-up it cannot be blocked by a pop-up blocker either.

Post-it notes are widely used in homes and offices and is recognized by most as reminder notes. In this task your pop-up box should look just like a Post-it note.

Requirements

- The Post-it note should be 200 pixels high, 220 pixels wide and have 15% transparency.
- The background color of Post-it note should be # ffff99.
- The font should be bold Verdana, 11 points in the color # 0401aa.
- The Post-it note should be positioned approximately in the centre of the page and showed immediately when someone visiting the site.

Cookie specific demands

- The Post-it note should not appear more than once per day per visitor. Solve this with cookies. Scale down time during development so that your script does not need to wait for one day!

The Post-it note is removed either by

- visitor clicks on it
- otherwise it shall expire automatically after 7 seconds

All the presentation is controlled solely by CSS (via static or dynamic rules) and JavaScript.

I have included a start-up project (in the popups/css-popup folder) which have a tutorial here:

<http://webdesignandsuch.com/how-to-create-a-popup-with-css-and-javascript/>

3. jQuery mobile framework

Try out some cool jQuery mobile framework example and make it work or do one yourself.

Resources

jQuery mobile framework – <http://jquerymobile.com/>

Price 10\$

3 days