

Image Display Widget

The goal of this project is to provide a “profile” type picture display. At heart of course is an HTML img tag, but in the real world we get a number of different images, different sizes, different aspect ratios. We want this project to provide a widget that will adapt the display characteristics of the given image file to a set of visual constraints.

For example

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In an earlier project we worked on an image drag-drop updater, and this is a further enhancement of that same work.

The span markup from that project, which contains a number of the id's, may also be present wrapping the image.

The idea is for the page author to supply constraints for the maximum dimension for the image display. So the data-constraint attribute will carry the largest size for each dimension. However we want to maintain the native aspect ratio of the image, although we won't know it's actual dimensions (and it may be different for each page — the actual image file is part of a data record), until after it has loaded in the page.

It can be implemented with JavaScript, and/or CSS. I would like for you to check the dimensions after the image has loaded, and find whether the width, or height is closer to it's defined restraint and the scale the image tag's height and width to match the appropriate dimension.

I do not remember if we added a window resize listener in the earlier drag drop project (where you added the button, on mouseover), but we should add a resize listener to scale the size of the image as well.