Create a “cool” image gallery using CSS visibility property and positioning property

1. Create a cool image gallery, having thumbnails which when moused over display the larger images
2. Gallery must provide a minimum of 25 thumbnails (sized approx 80x60) with links to 25 larger images (sized approx 640x480 or bigger)
3. Must use example of absolute positioning and fixed positioning as demoed in class
4. Use the batch feature in Fireworks or Photoshop to speed up the process of sizing images
5. Add styling to all images using CSS, must have a border type style around them
6. Make website visually interesting, try adding a darker background or a large dark radial gradient, this will make the viewer focus on the images
7. Use internal stylesheet
8. Optional: organize images into categories, could use an anchor tag or org into diff categories, or ??
CSS Positioning primer

CSS Positioning

Positioning is one of the areas in which CSS provides formatting possibilities that are simply not available through HTML, and CSS positioning is not difficult. The essential properties used for positioning are:

- Position
- Left
- Top
- Width
- Height
- Z-Index (layers/layering)

(z-index:1 Default z-index is 0. Z-index -1 has lower priority. Meaning it will go behind any text or graphics in this same area)

Definition

The position property places an element in a static, relative, absolute or fixed position.

Inherited: No

Section 1.01 Possible Values

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static</td>
<td>Default. An element with position: static always has the position the normal flow of the page gives it (a static element ignores any top, bottom, left, or right declarations)</td>
</tr>
<tr>
<td>relative</td>
<td>An element with position: relative moves an element relative to its normal position, so &quot;left:20&quot; adds 20 pixels to the element's LEFT position</td>
</tr>
<tr>
<td>absolute</td>
<td>An element with position: absolute is positioned at the specified coordinates relative to its containing block. The element's position is specified with the &quot;left&quot;, &quot;top&quot;, &quot;right&quot;, and &quot;bottom&quot; properties</td>
</tr>
<tr>
<td>fixed</td>
<td>An element with position: fixed is positioned at the specified coordinates relative to the browser window. The element's position is specified with the &quot;left&quot;, &quot;top&quot;, &quot;right&quot;, and &quot;bottom&quot; properties. The element remains at that position regardless of scrolling. Works in IE7 (strict mode)</td>
</tr>
</tbody>
</table>
CSS gallery code example:

/* this class hides the larger images adjust dimensions and position location as desired*/
.hide{
   visibility: hidden;
   position: fixed;
   height: 480px;
   width: 640px;
   top: 100px;
   left: 300px;
}

/* this selects only hyperlinked images with the class hide only on its hover state*/
a:hover .hide {
   visibility:visible
}

/* this class styles a div with a set width, the div contains the thumbs at a desired location*/
.leftMargin{
   position: absolute;
   width: 200px;
   left: 50px;
   top: 100px;
}

The following example (on the next page) uses two thumbnail images and two full size images. The thumbnails were sized 80x60 and the full size were 640x480
XHTML code example:

```html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>A7 Example</title>
<style type="text/css">
  .hide {
    visibility: hidden;
    position: fixed;
    height: 480px;
    width: 640px;
    top: 100px;
    left: 300px;
  }
  a:hover .hide {
    visibility: visible
  }
  .leftMargin {
    position: absolute;
    width: 200px;
    left: 50px;
    top: 100px;
  }
  .hide, .thumbs {
    border: 3px solid #CCCCCC;
  }
  body {
    background-color: #000000;
  }
</style>
</head>
<body>
<div class="leftMargin">
  <a href="#">
    <img class="thumbs" src="1_160_120.jpg">
    <img class="hide" src="1.jpg">
  </a>
  <a href="#">
    <img class="thumbs" src="2_160_120.jpg">
    <img class="hide" src="2.jpg">
  </a>
</div>
</body>
</html>
```