Intro CS :: Make a Thumbnail Gallery

Description
Make a page of small images that serves as a photo gallery. A basic mockup of the layout is shown. You will produce this layout by styling a collection of divs as demonstrated in class. The major emphasis here is an understanding of the CSS properties of:

- float
- :hover selector
- transition animations

Requirements:
- The page should be located at ~username/thumbnails/index.html. All of the images should be in a folder called "images" inside the thumbnails folder.
- 6 images in rows and columns.
- Each image must have a small caption or title below it.
- Page must have a heading and a footer.
- Thumbnail divs must use a :hover selector to change their style when the mouse is hovered over them.
- At least one of the style changes during hover should use a transition animation.

Styling:
You have a lot of leeway for styling here in terms of colors, shapes, fonts, shadows, etc. Be creative! As long as a grid layout is maintained you may put other things on the page.

Notes:
Float - Floats can be a tricky concept to get your head around. Basically a float is an element that is aligned against the left or right side of its container. When a block is floated it no longer occupies its entire horizontal space on the page and other elements may wrap around it.

Hover – "hover" is called a CSS pseudo-class selector because it only applies to elements on the page at certain times – when the mouse is hovering over it. You can add :hover to any css tag, class, or id selector. EXAMPLE:

```css
p:hover{ color: rgb(100,0,0); } //text color changes to red, when mouse is hovered over any p tag
.movie:hover{ box-shadow: 2px 2px 4px rgb(0,0,0); } //style applied to any tag with class="movie"
```

Transition Animations: Transition animations allow a style change to take a certain amount of time, rather than flipping instantly. The trick is that in one CSS block you have to specify the style you want as normal, but also a transition.

```css
.someBox:hover{
    border-radius: 10px;
    background-color: rgb(180, 180, 200);
    box-shadow: 2px 2px 4px rgb(0,0,50);
    transition: background-color 0.5s, box-shadow 2s;
}
```

Here is an example that will make several changes elements with class "someBox" on hover, but only the bg color and shadow will be animated.