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# Assignment: Image Gallery Thumbnails

## Overview

In this assignment you will create two sets of thumbnail images that link to larger images. One gallery will be a  $3 \times 3$  grid of thumbnails. The other will be a row of six images. Both galleries will use CSS for user interaction and Bootstrap styles for viewport responsiveness.

## Step 1: Create your images

1. Create nine images each with a width of 600px. Use a logical file naming convention, such as image1.png, image2.png, image3.png, etc.
2. Create thumbnail versions of each image that are each 100px wide. Use a logical file naming convention, such as adding -tn to each file name. For example, image1-tn.png, image2-tn.png, image3-tn.png, etc.
3. Move all the images into a directory near your thumb-gallery.html file.

## Step 2: Create the HTML page

1. Create a file in your samples directory named: thumb-gallery.html, and enter the following code.

### HTML

```
1 <html>
2   <title>Image Gallery Thumbnails</title>
3   <style>
4   </style>
5 </head>
6 <body>
7 </body>
8 </html>
```

## Step 3: Add code for a 3 by 3 grid of rows

1. Add the following code to the <body> section of your file.

---

## HTML

```
1 <div class="container">
2 <div class="wrapper">
3   <h2>3 &times; 3 grid</h2>
4   <div class="row"> <!-- row 1 -->
5     <!-- A set of three images will soon go here. -->
6   </row><!-- /row 1 -->
7   <div class="row"> <!-- row 2 -->
8     <!-- A set of three images will soon go here. -->
9   </row><!-- /row 2 -->
10  <div class="row"> <!-- row 3 -->
11    <!-- A set of three images will soon go here. -->
12  </row><!-- /row 3 -->
13 </div><!-- /wrapper -->
14 </div><!-- /container -->
```

### Step 4: Add three image links within each row

1. Add the following code within each of the three rows created above. At the same time, you can delete the comments within the rows.
2. Modify the image paths and names as needed to correspond to your directory structure.
3. Note that image file names will increment from 1 to 9. Do not repeat the file names for images 1 through 3 within all three rows.
4. Note the Bootstrap style, col-sm-4. This ensures that the gallery works well within all viewports.

## HTML

```
1 <div class="col-sm-4">
2   <a href="/path/to/image1.png" target="_blank" class="thumbnail">
3     
4   </a>
5 </div>
6
7 <div class="col-sm-4">
8   <a href="/path/to/image2.png" target="_blank" class="thumbnail">
9     
10  </a>
11 </div>
```

```
12
13 <div class="col-sm-4"><a href="/path/to/image3.png" target="_blank" class=
    "thumbnail">
14     
15 </a>
16 </div>
```

## Step 5: Add CSS styles

1. Add the following CSS styles within the <style> section.
2. Once you have completed this step, you should be able to view the 9 by 9 thumbnail gallery.  
View it now to check your work.

```
1 .wrapper {
2   background: #000;
3   margin-top: 20px;
4   padding: 25px;
5   color: #fff;
6   border-radius: 10px;
7 }
8
9 .wrapper h2 {
10  text-align: center;
11 }
12
13 .thumbnail {
14  text-align: center;
15  margin-bottom: 25px;
16  background: #000;
17  border: 1px solid #333;
18 }
19
20 .thumbnail:hover {
21  border: 1px solid teal;
22  background: #333;
23 }
24
25 .thumbnail img {
26  background: #fff;
27 }
```

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## Step 6: Create the 6 in a row gallery

1. Below the previously entered closing `</wrapper>` tag, and above the closing `</container>` tag, add a new `<wrapper>` section containing a single `<div class="row">`.
2. Also enter an `<h2>` title.

```
1 <div class="wrapper">
2 <h2>6 in a row</h2>
3 <div class="row">
4
5 </div><!-- /row -->
6 </div><!-- /wrapper -->
```

## Step 7: Add six thumbnail images

1. Within this new `<div class="row">` section enter the following code six times.
2. In each copy, update the file paths and image file names as needed for your setup.
3. Once you have completed this step, you should be able to view the 6 in a row thumbnail gallery. View it now to check your work.

```
1 <div class="col-sm-2">
2   <a href="/path/to/image1.png" target="_blank" class="thumbnail">
3     
4   </a>
5 </div>
```

## Step 8: Experiment and fine tune

Be creative. Seek originality. Use these examples as starting points. Add new elements of your own creation. Combine these techniques with other CSS tricks you know.