

Coding Challenge

Create a web application to display images from <http://cats.watersmart.s3.amazonaws.com>. The application should be entirely in HTML/CSS/Javascript. Feel free to use JS libraries (jQuery, etc) as appropriate.

The application should:

- Display a list of all images and the date they were modified
- Have a search box always be visible at the top that will filter the image list
- Clicking an image should display the image in a lightbox
- Sort list by image name or by date

Lightbox Details:

- The lightbox should have left and right buttons to scroll between images
- The name of the image should be at the bottom
- Closeable with a close button or clicking outside the lightbox
- Resizeable via dragging a corner
- Please create your own lightbox, do not use an existing library

Note: The content of <http://cats.watersmart.s3.amazonaws.com> lists all of the items in an S3 bucket in XML. To display a particular image append the key value to the base URL. For example, the element below indicates an image available at http://cats.watersmart.s3.amazonaws.com/chad_IMG_1992.jpg

```
<Contents>
  <Key>chad_IMG_1992.jpg</Key>
  <LastModified>2018-07-31T15:05:37.000Z</LastModified>
  <ETag>"50c4a617184cacc7cf0a1f114451380f"</ETag>
  <Size>169003</Size>
  <StorageClass>STANDARD</StorageClass>
</Contents>
```