**Practice Work – 2: Image Slide Show**

The code files for the slideshow are slideshow.html, css/slideshow.css and js/slideshow.js. You will only need to modify js/slideshow.js.

You should implement the function createSlideshow and createSlideshow should take in two parameters, slideshowElem and duration. slideshowElem is a jQuery element that represents a single slideshow element. duration is a number that specifies the duration in milliseconds between image transitions. duration should be a optional parameter. If omitted, the duration should be set to 5000 by default.

The slideshow element is given by slideshowElem. The slide elements are the <img> elements that are the children of the slideshow element.

When the function is invoked, you should immediately hide all slide elements. You should then fade in the first slide. Every duration seconds, you should transition to the next image. This duration is inclusive of the time required for animation. To transition slides, fade out the current slide. When the current slide is completely faded out, fade in the next slide.

After creating this function, use the function to create a slideshow out of the images on the page.

**Hints**

The timer can be implemented using [setInterval](https://developer.mozilla.org/en-US/docs/DOM/window.setInterval) or [setTimeout](https://developer.mozilla.org/en-US/docs/DOM/window.setTimeout). The slide elements can be selected using the [tree traversal](http://api.jquery.com/category/traversing/tree-traversal/) functions. The animations can be implemented using the [fading effects](http://api.jquery.com/category/effects/fading/) functions.

For the slideshow to work, the images are stacked over each other using CSS styling. This has been implemented for you in slideshow.css, and you should not need to write any additional CSS.