

Visualizing Progress

In this lesson, we will learn how to make use of progress bars in HTML, and JS.
Let's begin!

WE'LL COVER THE FOLLOWING



- Listing 5-5: Using the `<progress>` tag

HTML5 defines a new tag, `<progress>`, which can be used to represent the progress of a task. It has only two attributes, `max` and `value`, which specify the amount of work a task requires in total, and the number of units the task has completed.

For example, if the task requires 25 work units in total, with three already completed, it can be represented with this markup:

```
<progress max="25" value="3" />
```

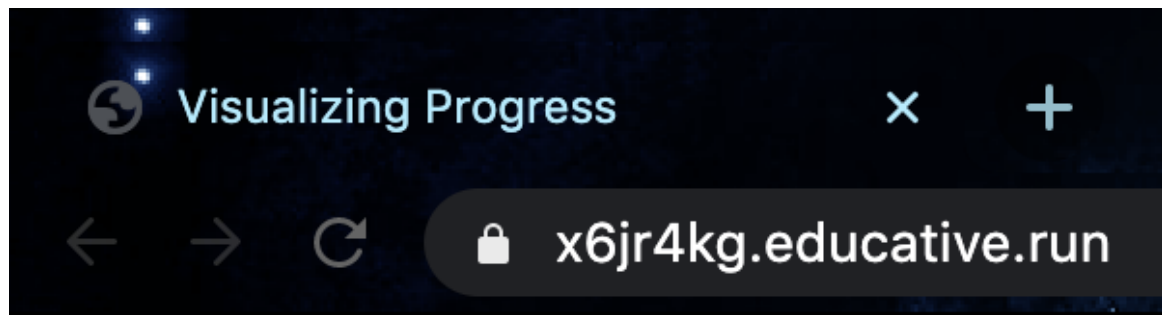


In the source code download of this chapter you find the Exercise-05-05 folder with a sample web application. Listing 5-5 shows how it allows you to display and manage a progress bar.

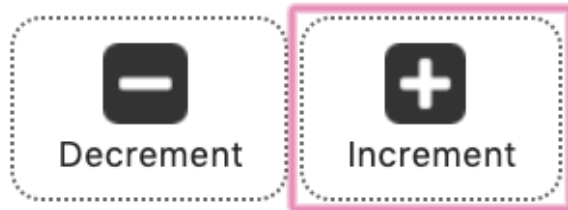
It uses the same technique to change the value of the current progress, as you already learned in Chapter 4 (Using Buttons). This app displays a page, as shown in the image that follows:

Listing 5-5: Using the `<progress>` tag

```
function changeBy(byVal) {  
    var range = document.getElementById('progress');  
    var newVal = parseInt(range.value) + byVal;  
    if (newVal < 0) newVal = 0;  
    if (newVal > range.max) newVal = range.max;  
    range.value = newVal;  
}
```



Survey progress: 



Displaying a progress bar

By now, you have learned almost all HTML5 markup elements. Before going on to the missing ones, it is time to look back and refine important details on elements and attributes starting from the *next lesson*.