

Exercise 39

EVENT BUBBLING

In Exercise 37, we began using JavaScript to assign an *event listener* programmatically to an element. In this exercise, we're going to look at a case where we have several elements that we want to monitor for events. Let's look at index. html:

We have eight buttons that we want to listen to for a click. We could do something similar to what we did in the last exercise: get all of the buttons as a nodelist, convert that to an array, then loop over the array attaching event listeners. But there's a better way.

You know that HTML represents a hierarchy of elements. That's why we talk about parents and grandparents, etc. As it turns out, an event that happens to one element, if ignored, bubbles up to the parent and we can trap it there.

That means we can put an event listener on <div id="flavors"> (since that is parent to all the buttons) and "trap" the event there. You ready to do this?

☐ In index.js, you'll see three comment instructions. Carry those out, run the repl (checking the console tab).