

## **Homework Assignment #2**

For this assignment, you will create this...

<http://tinyurl.com/hxztnos> (see video)

### **Requirements**

1. When the page loads, there is a button that says "Generate boxes"
2. When the button is clicked, 30 boxes appear 5 down and 6 across
3. Boxes cycle through 5 different colors and repeat
4. When a box is clicked, it disappears
5. When a box disappears, the boxes around it shift
6. When "Generate boxes" is clicked again, the original 30 boxes are restored
7. Boxes MUST be created using a loop in JavaScript. The body of your html file should have nothing more than a button and a div to act as your container
8. No libraries may be used other than jQuery

### **Hints**

- Make sure your reference to jQuery is before your local script reference
- Do not use tables to accomplish this
- A div with no height, width or content will not be shown in the browser
- When trying to figure out how to make the boxes wrap to the next row, consider limiting the size of the container.
- When trying to figure out how to make the colors cycle, the [modulus operator](#) may come in handy.
- An easy way to get a hold of the element in an event handler function is to pass the "this" keyword to the function. `onclick="doSomething(this)"`
- Fade out: <http://api.jquery.com/>
- **Email me if you are stuck** (but don't wait till the last minute)

### **Submission**

Just email this one to me.