Animating SVG



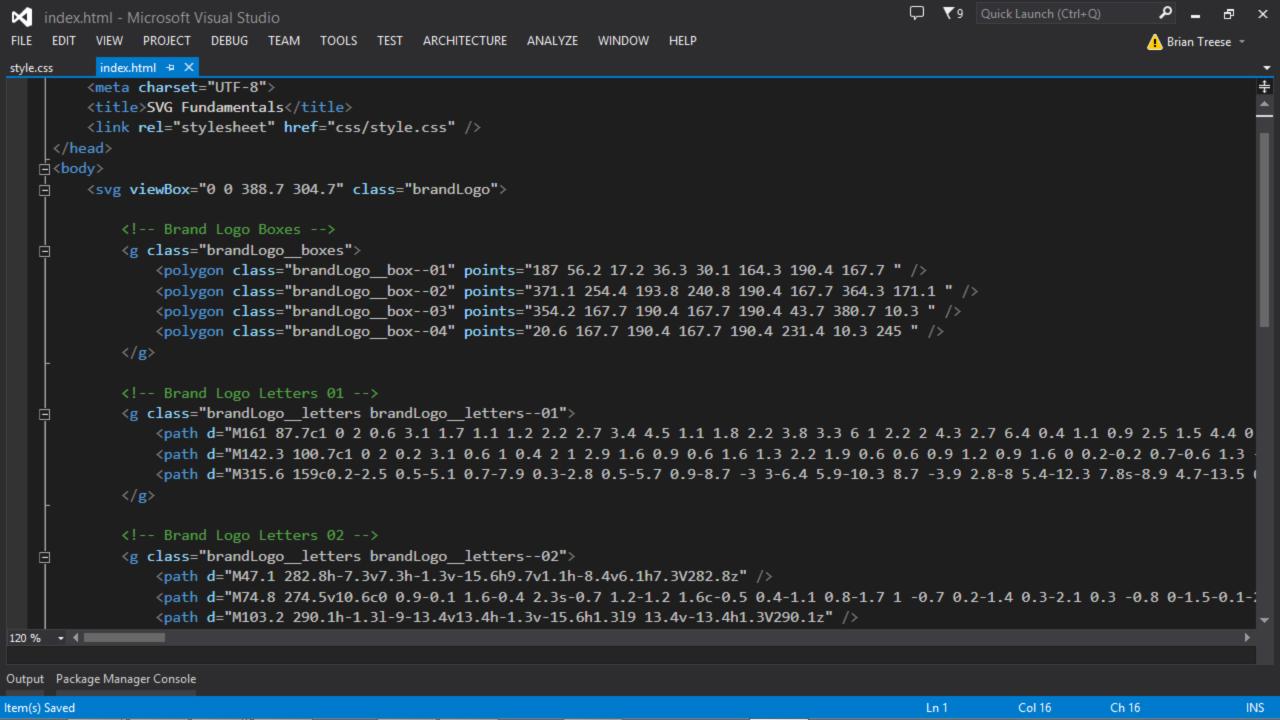
Brian Treese

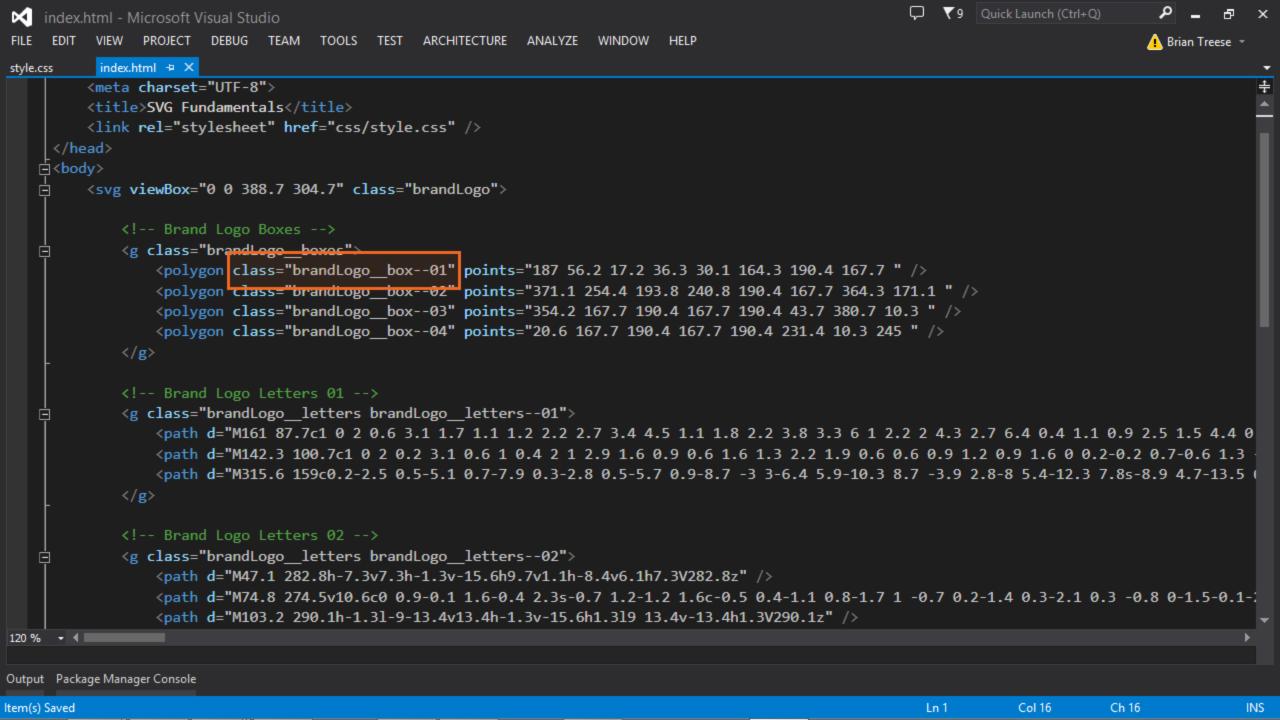
@brianmtreese | www.briantree.se

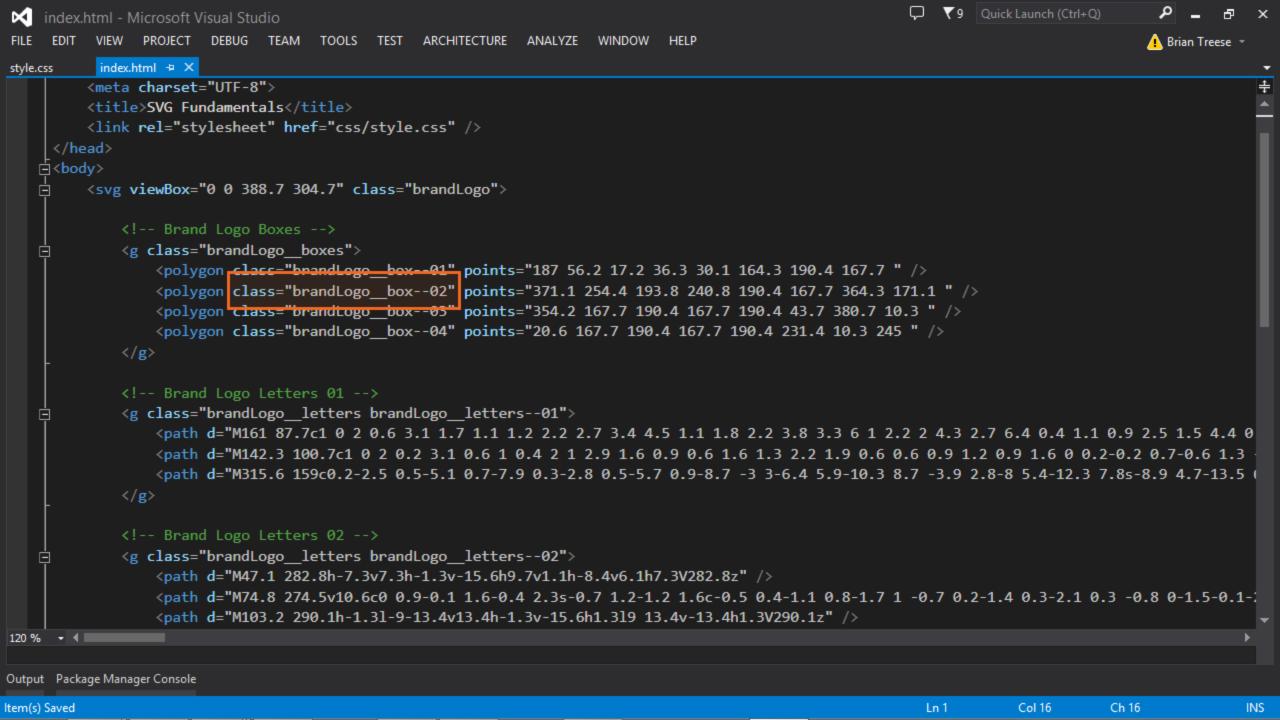
Animating SVG

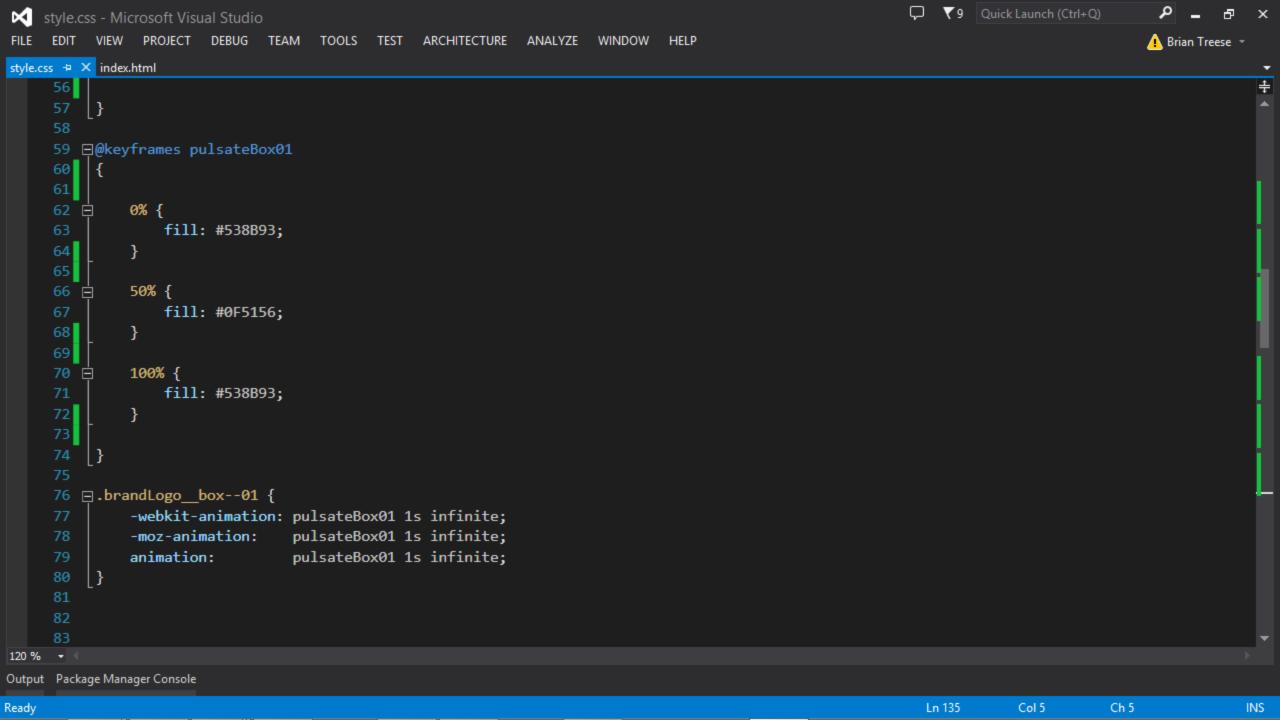
- Three main methods for SVG animation
 - CSS
 - SMIL
 - JavaScript
- Pros and cons of each method

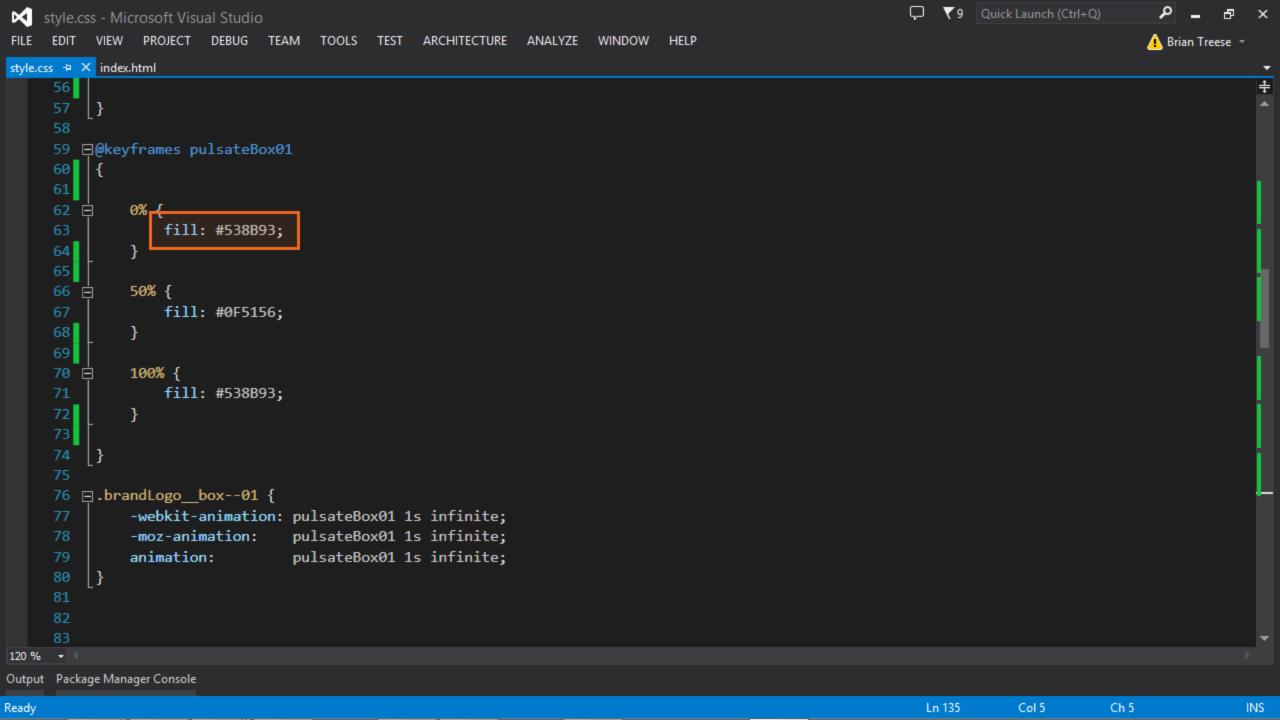
Animating SVG with CSS

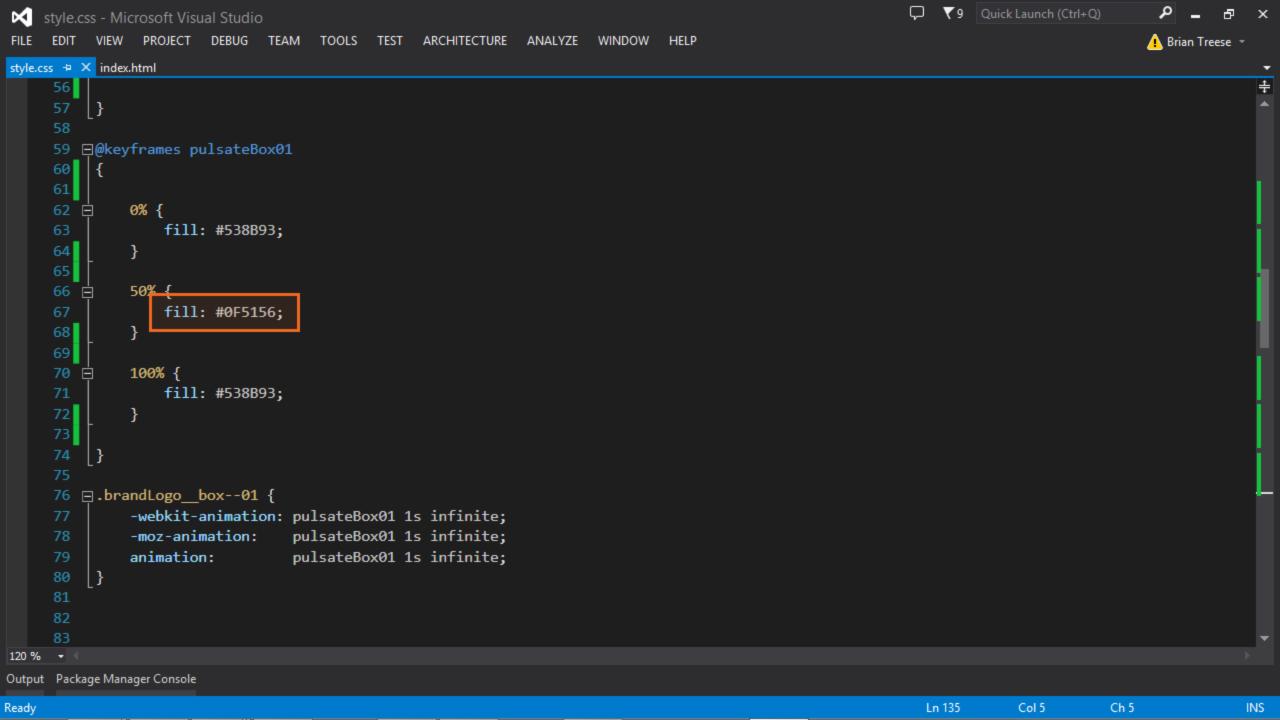


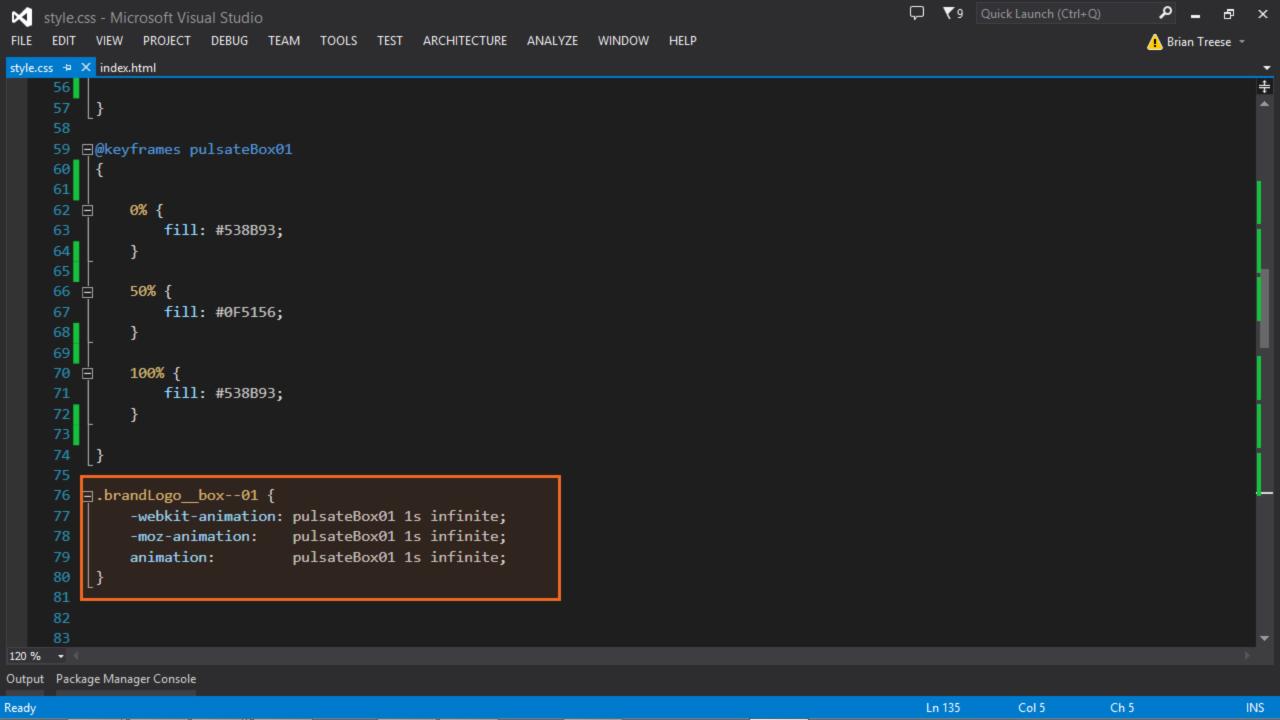


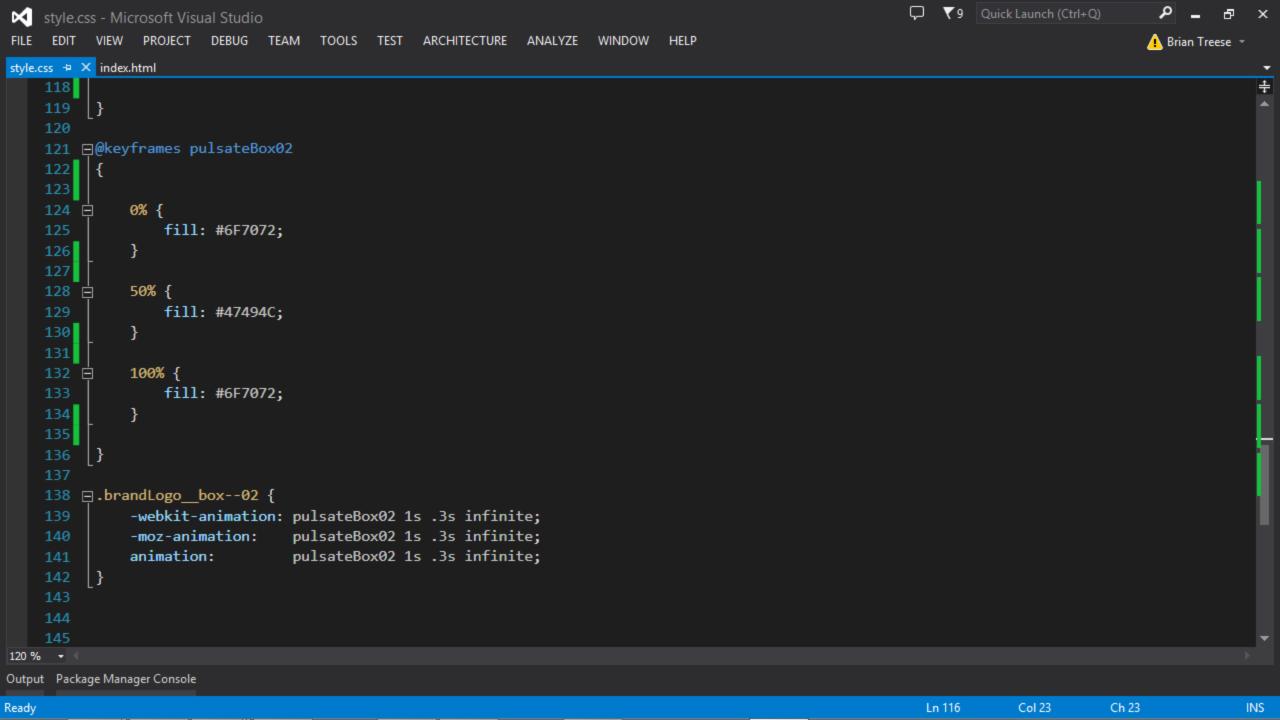


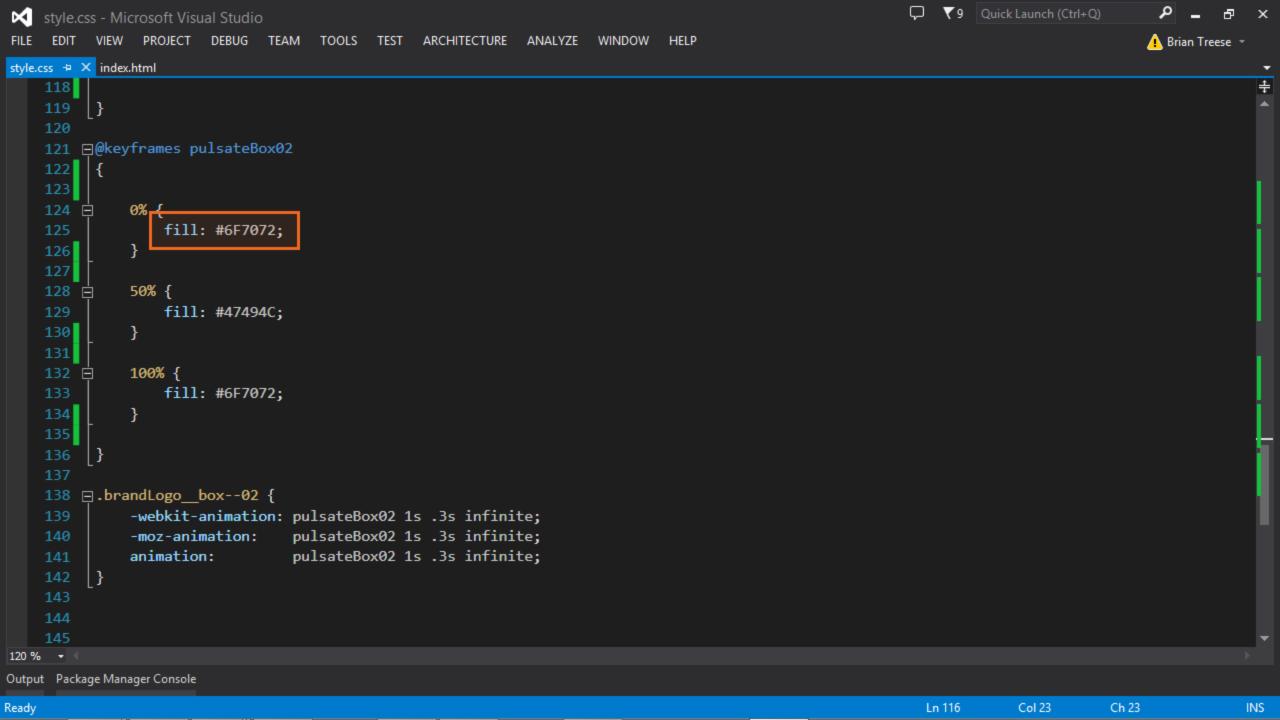


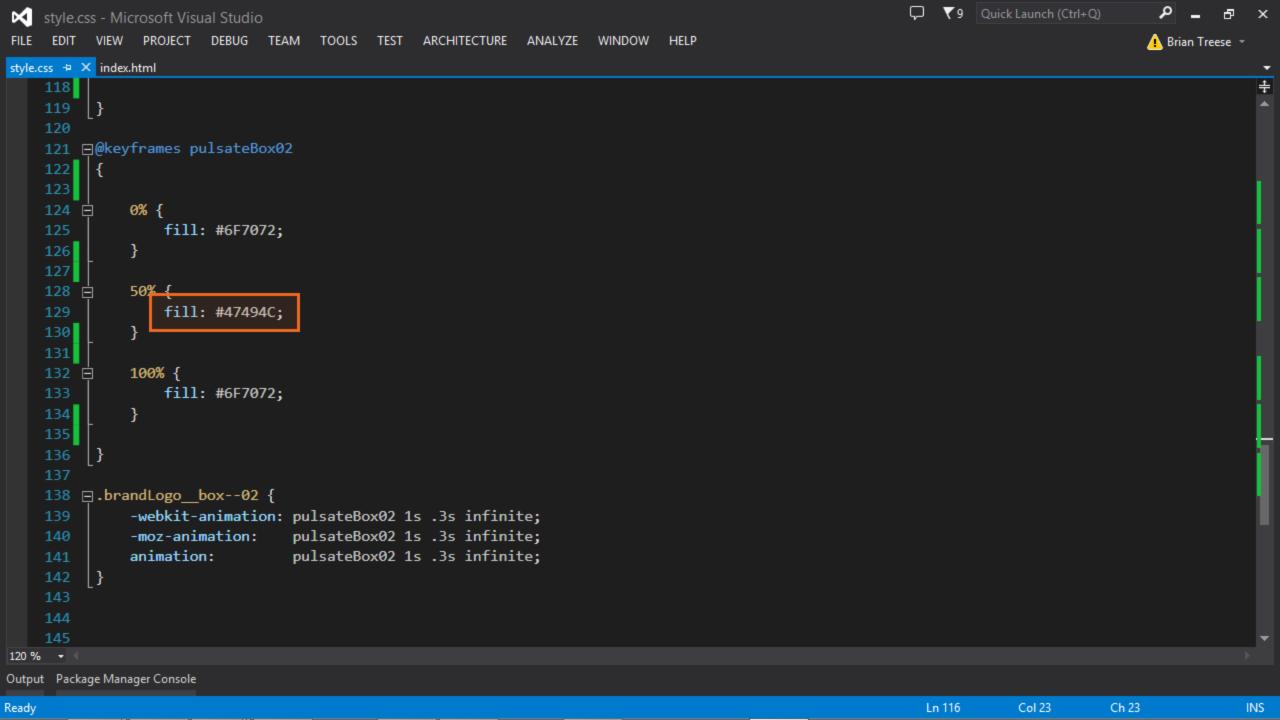


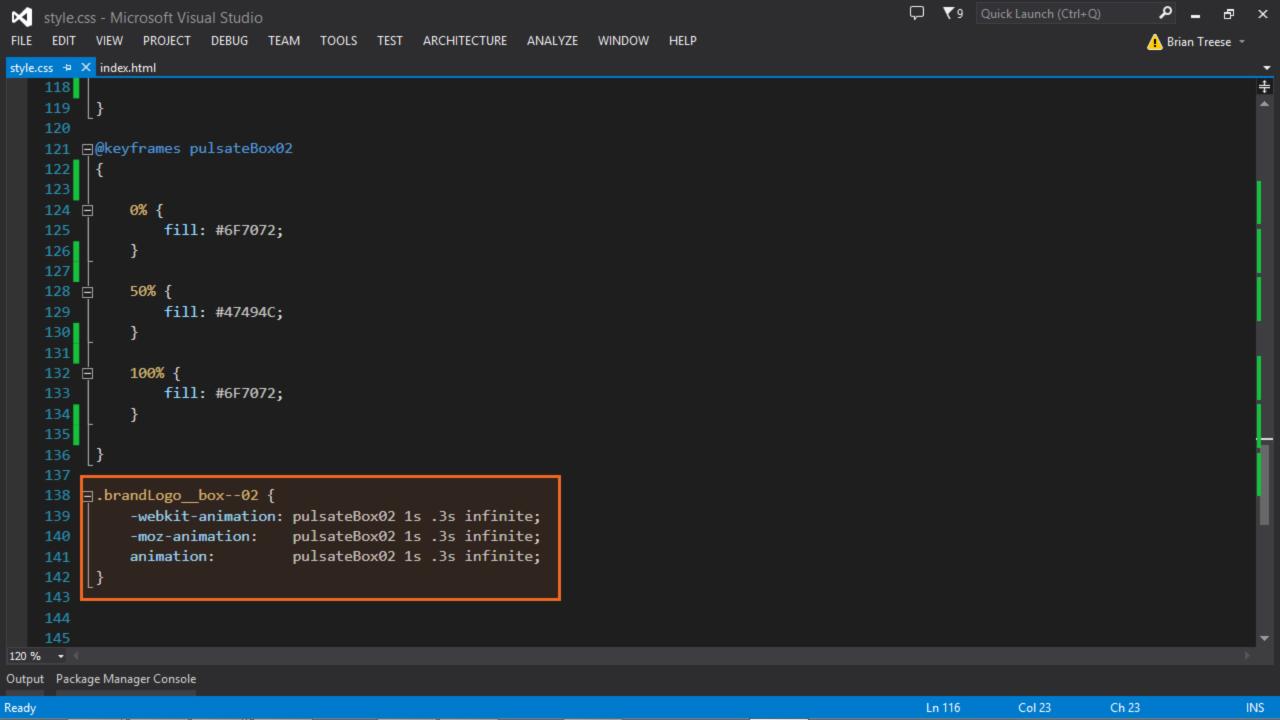


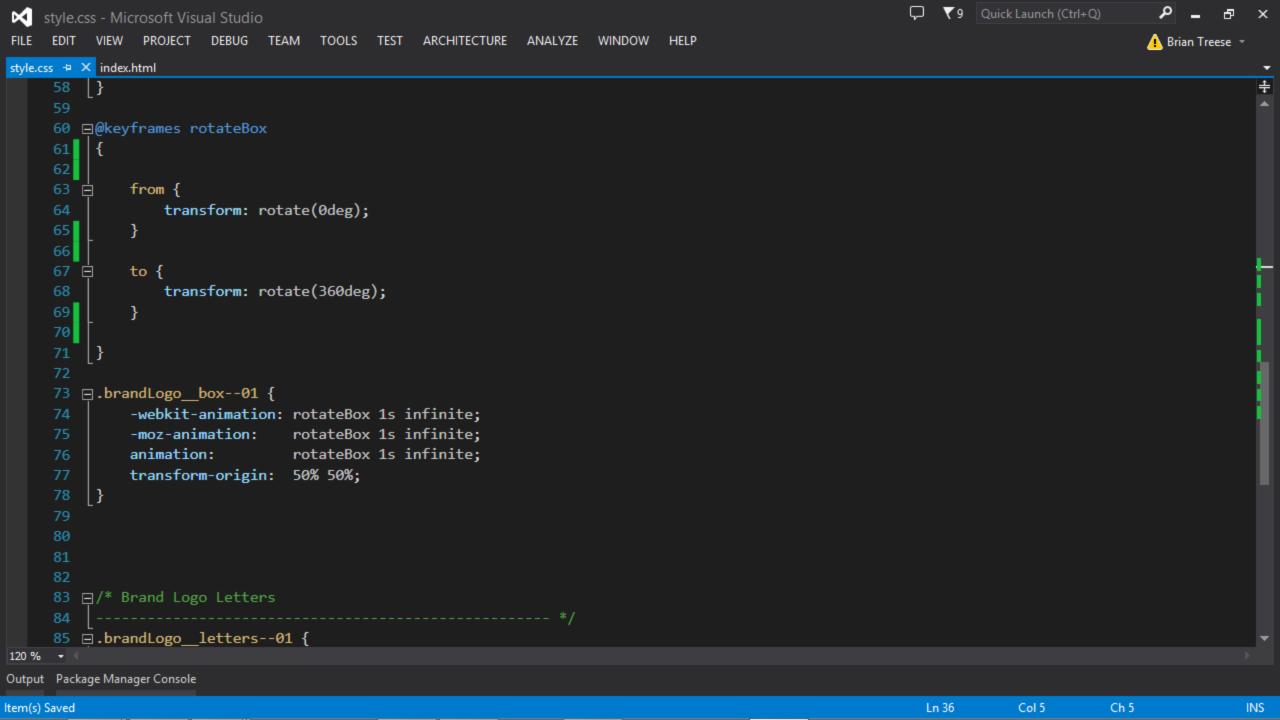


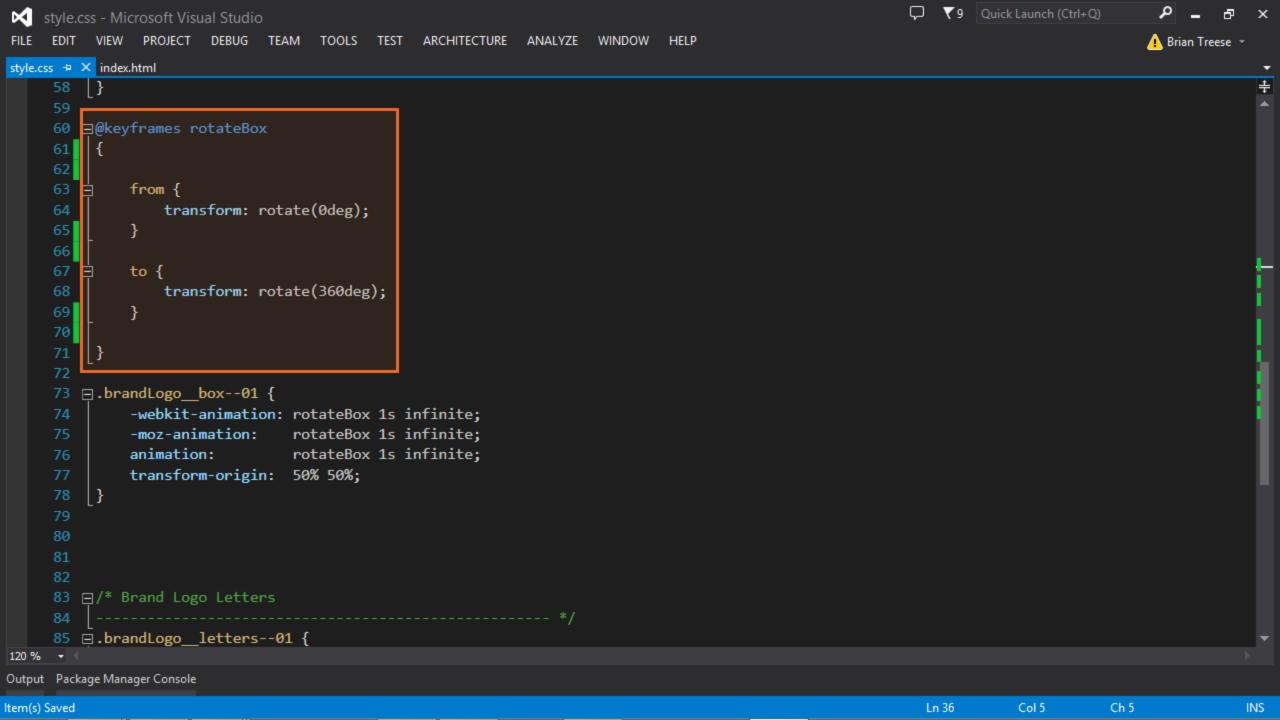


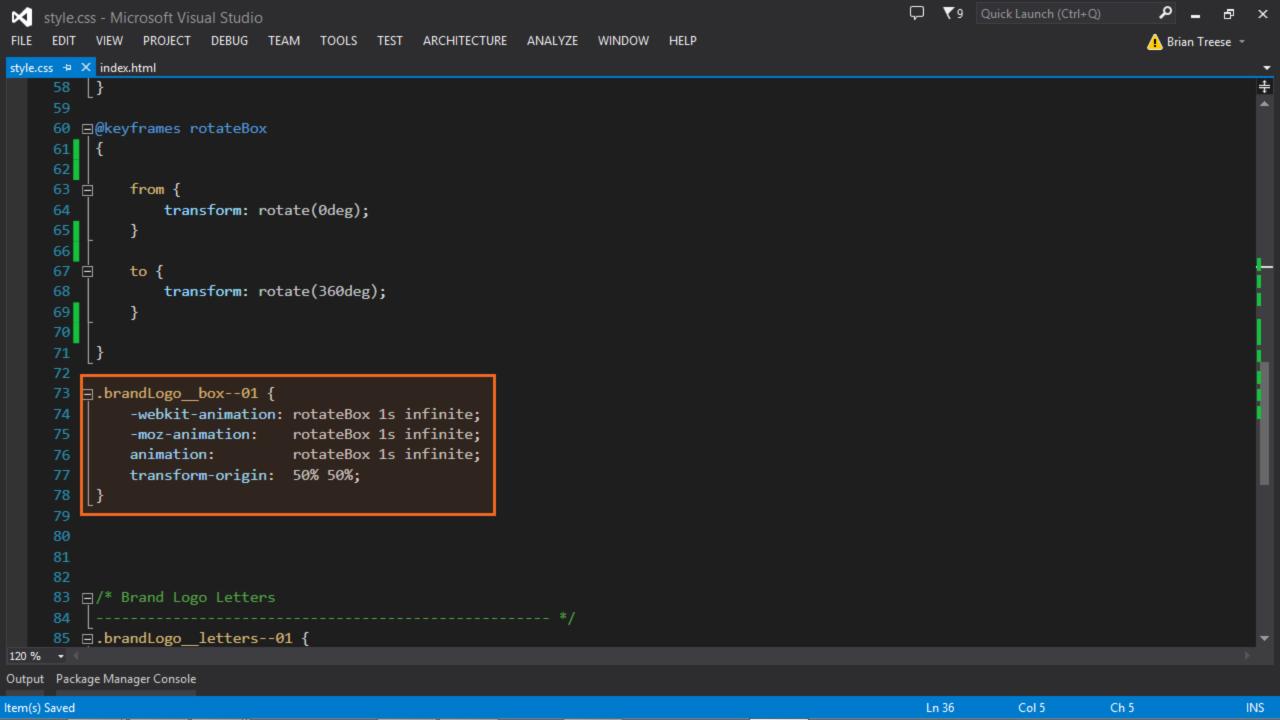












Meanwhile over in FireFox...

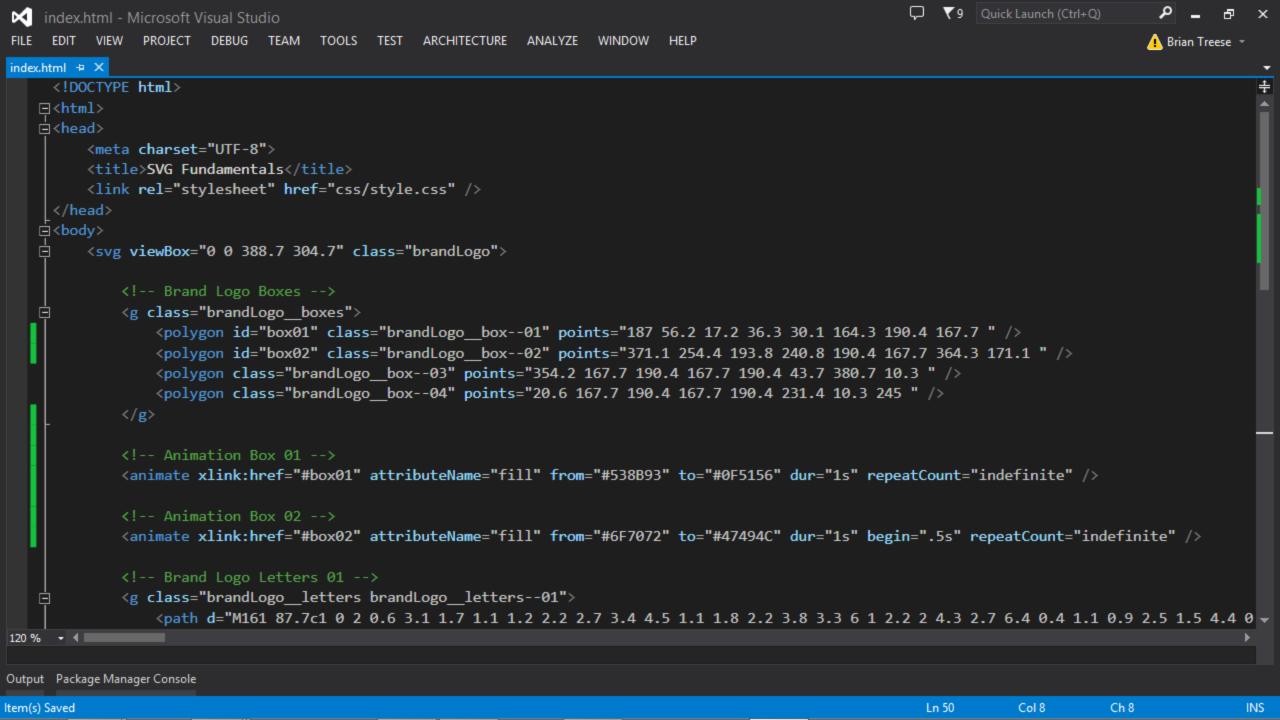
And in IE...

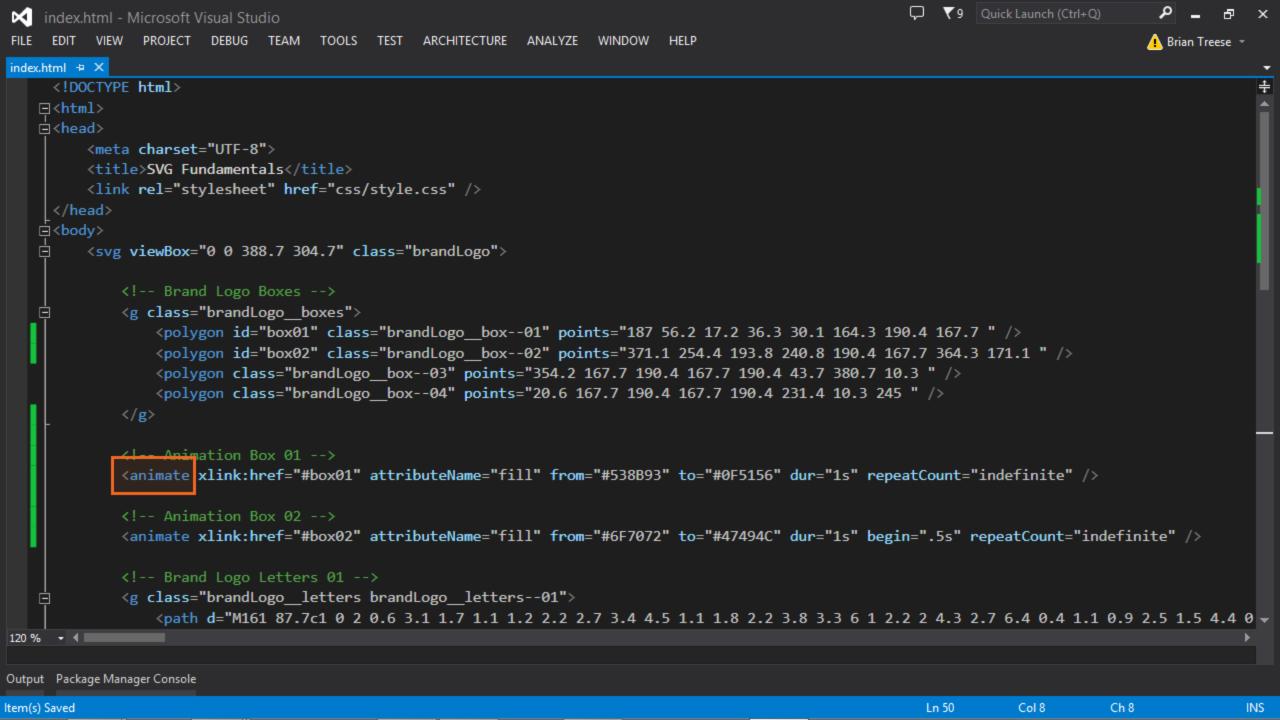


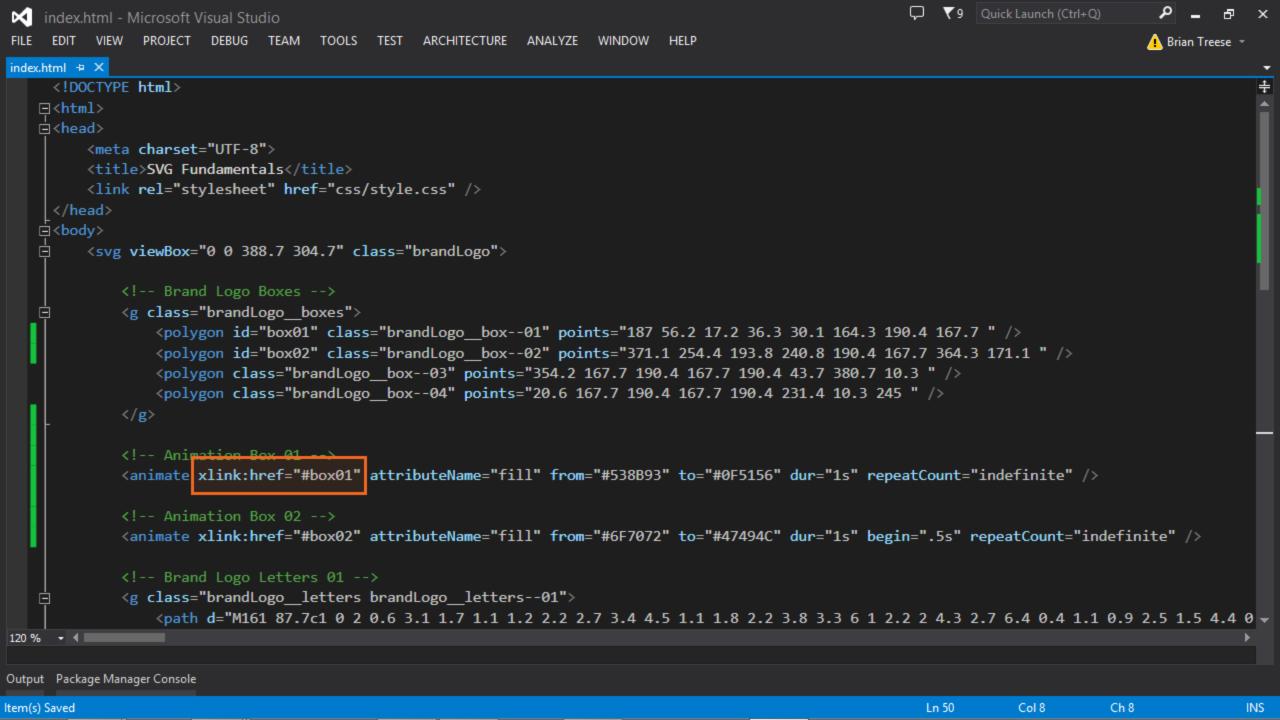
Animating SVG with SMIL

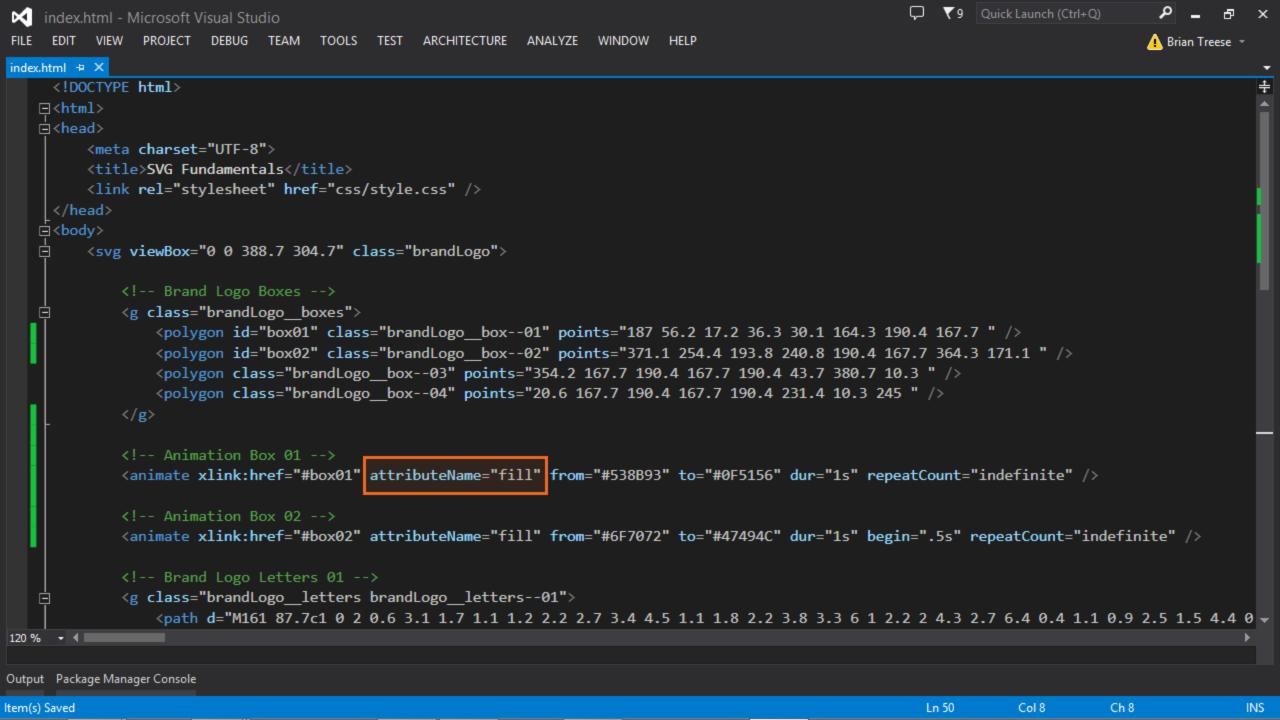
Animating SVG with SMIL

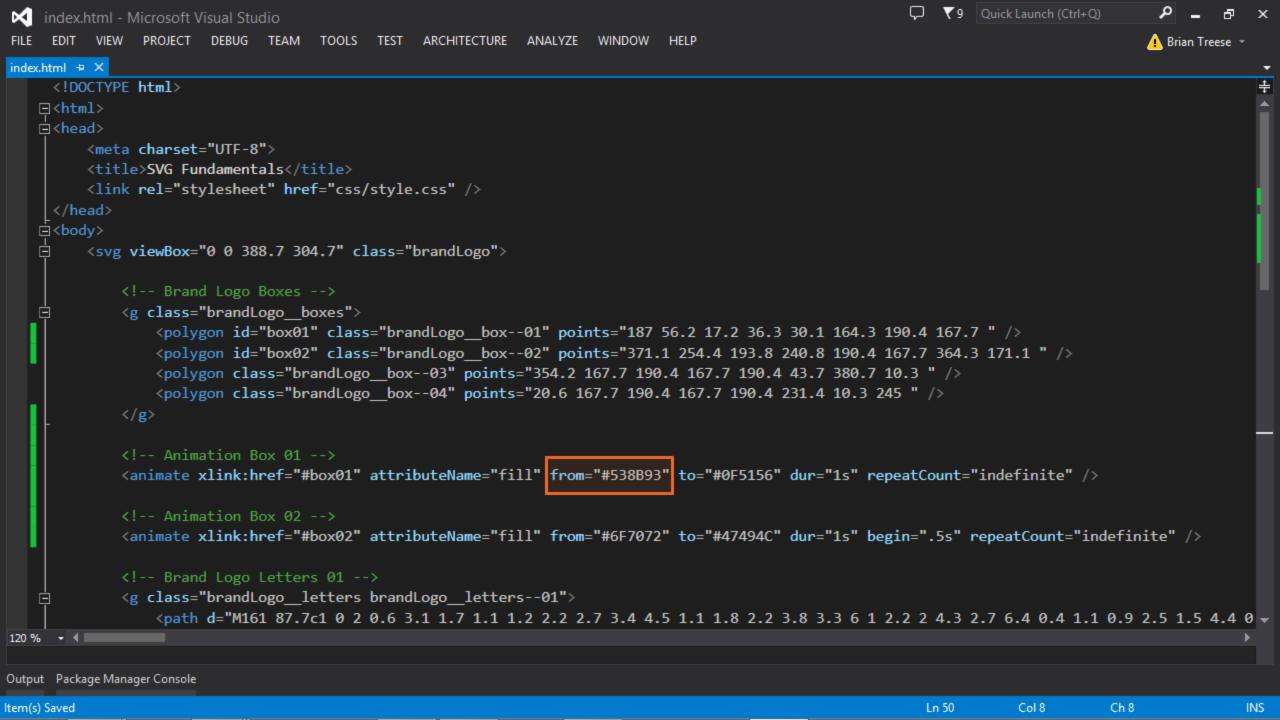
- <animate>
- <animateMotion>
- <animateTransform>
- < <set>

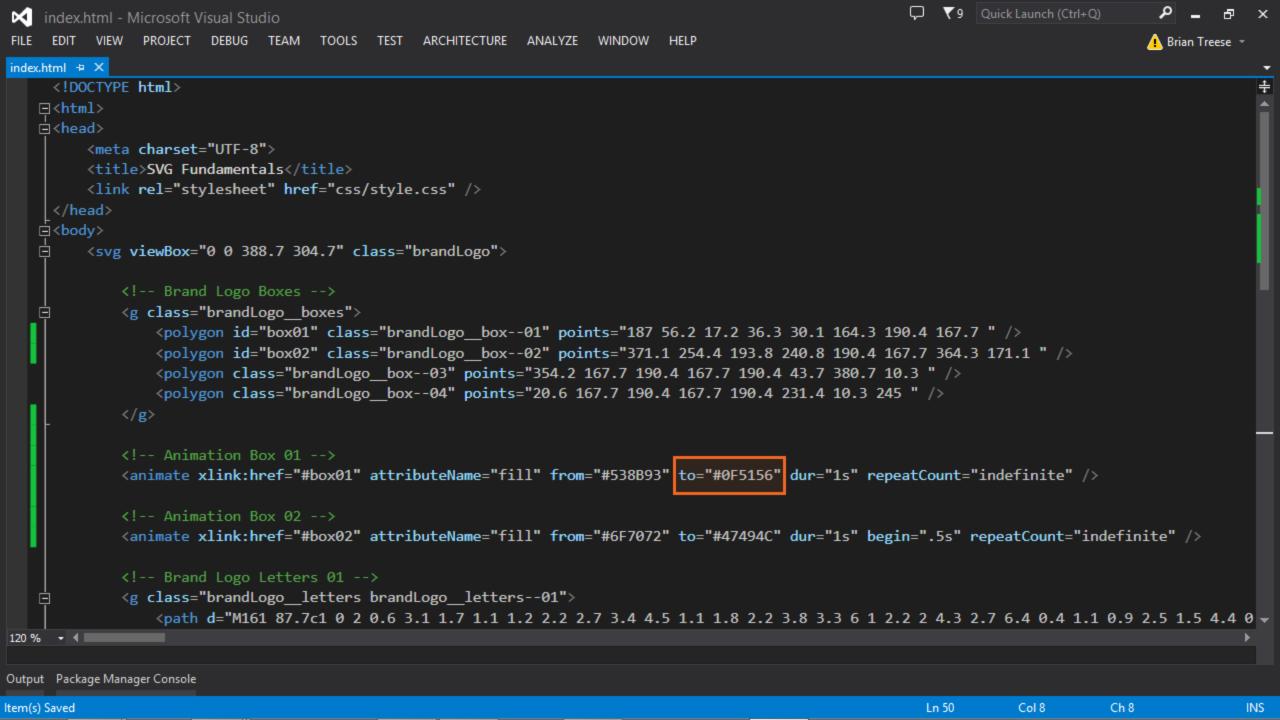


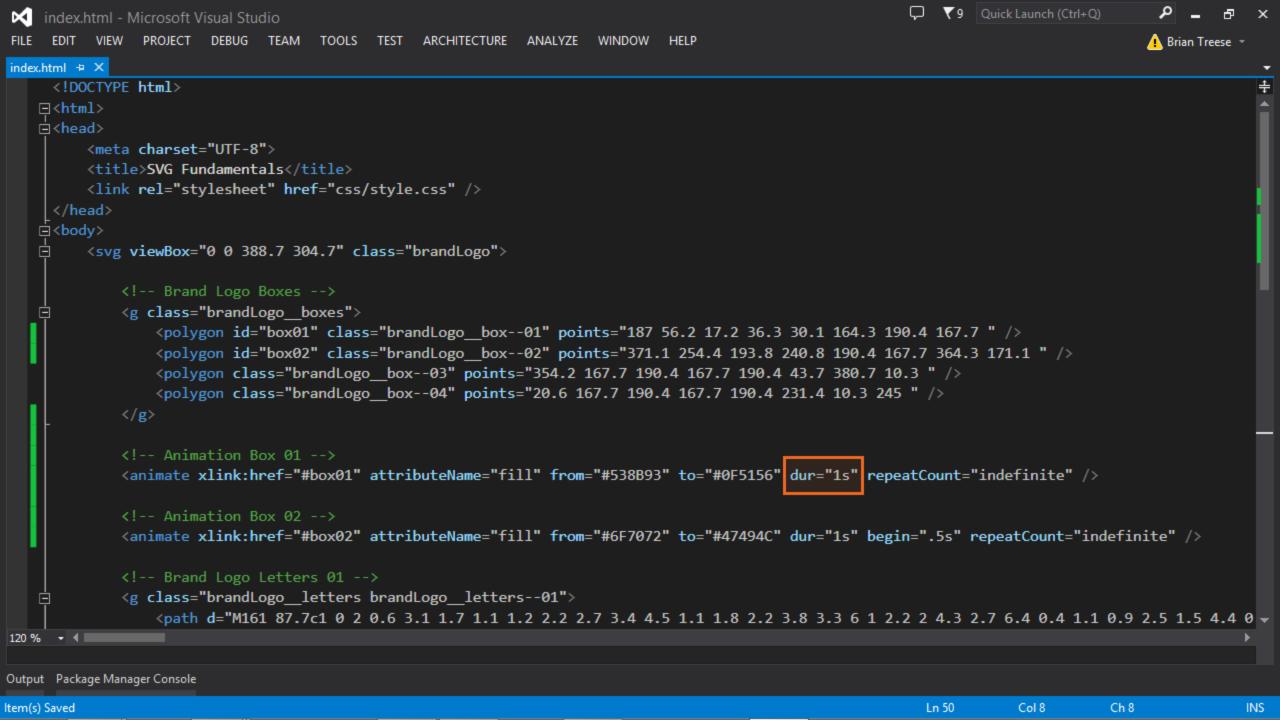










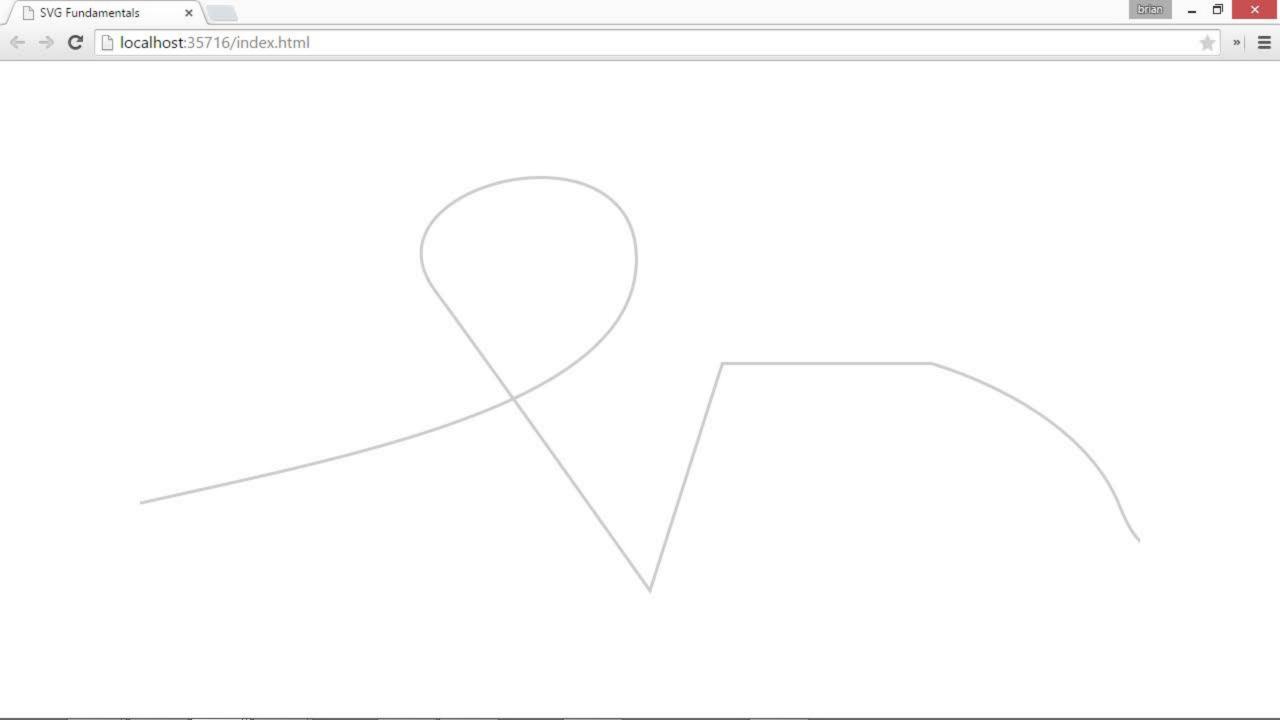


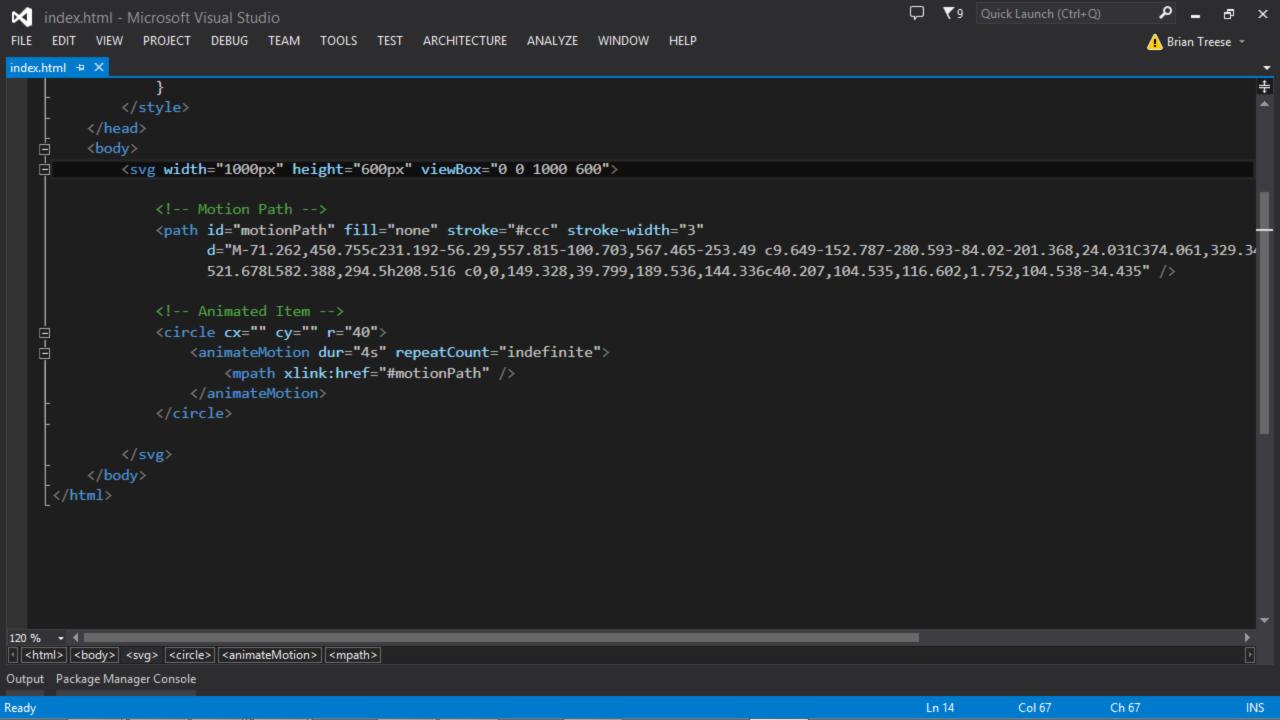
In Chrome...

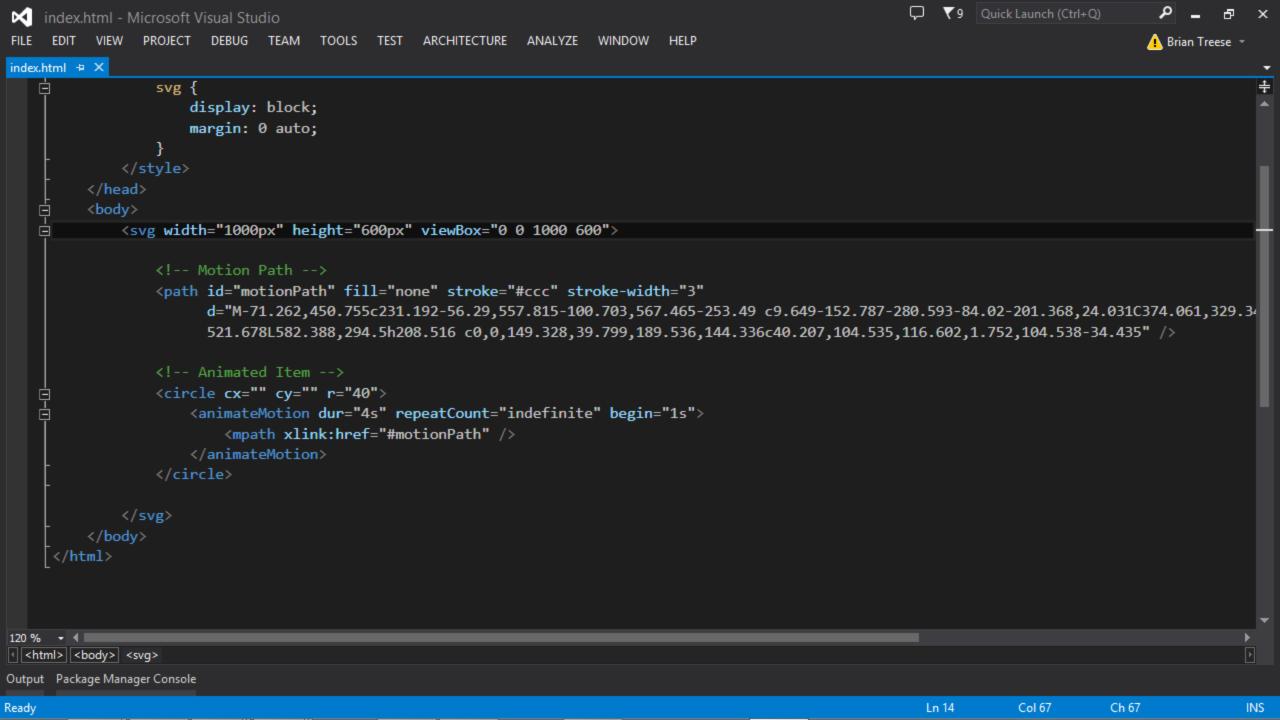
In FireFox...

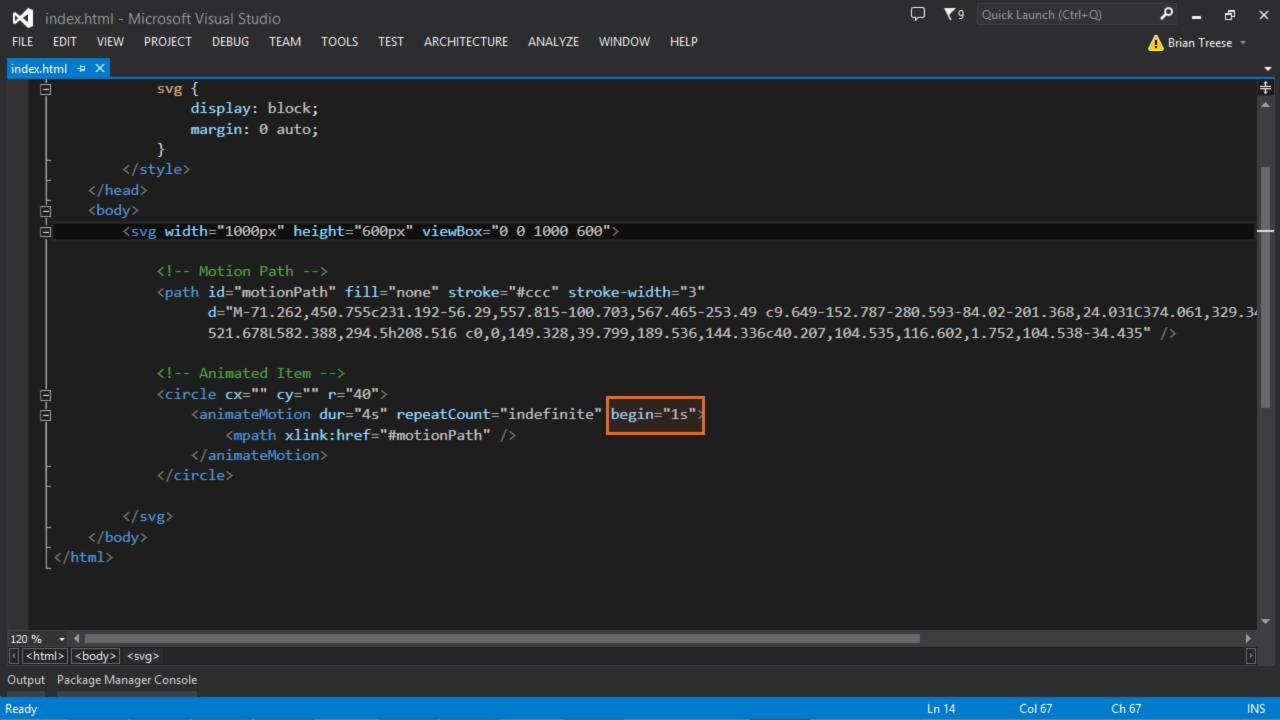
In IE...

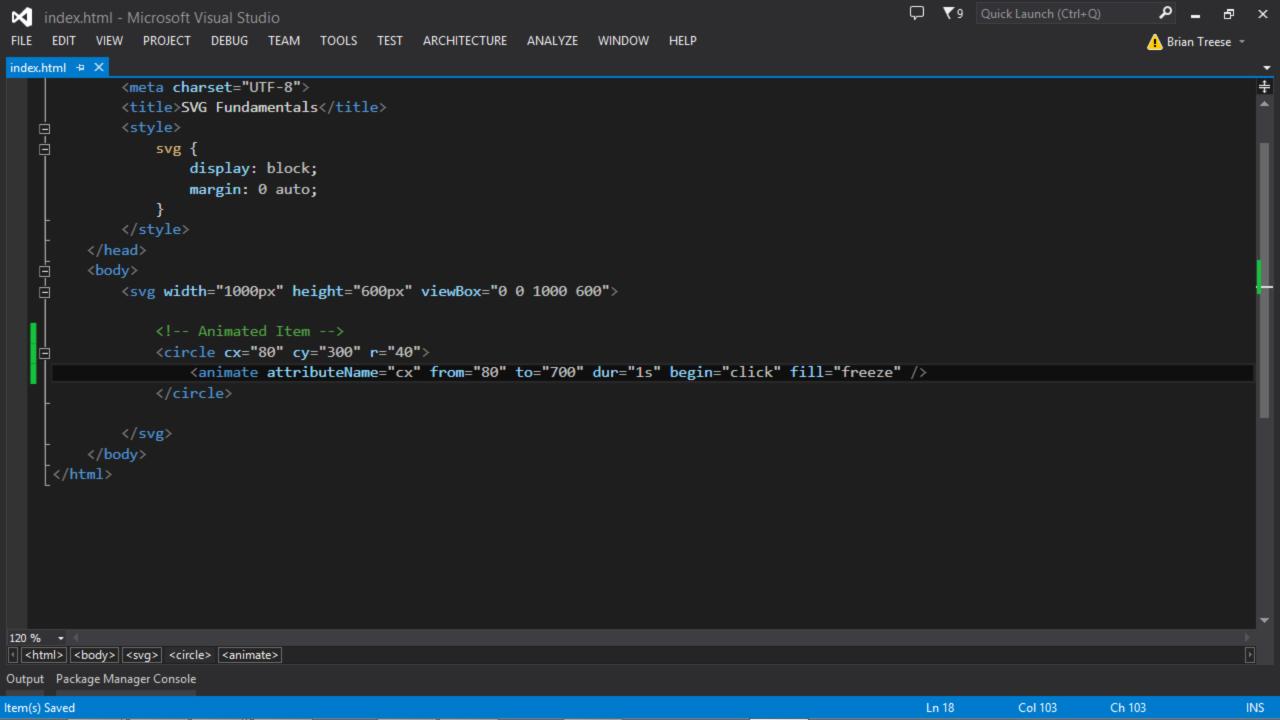


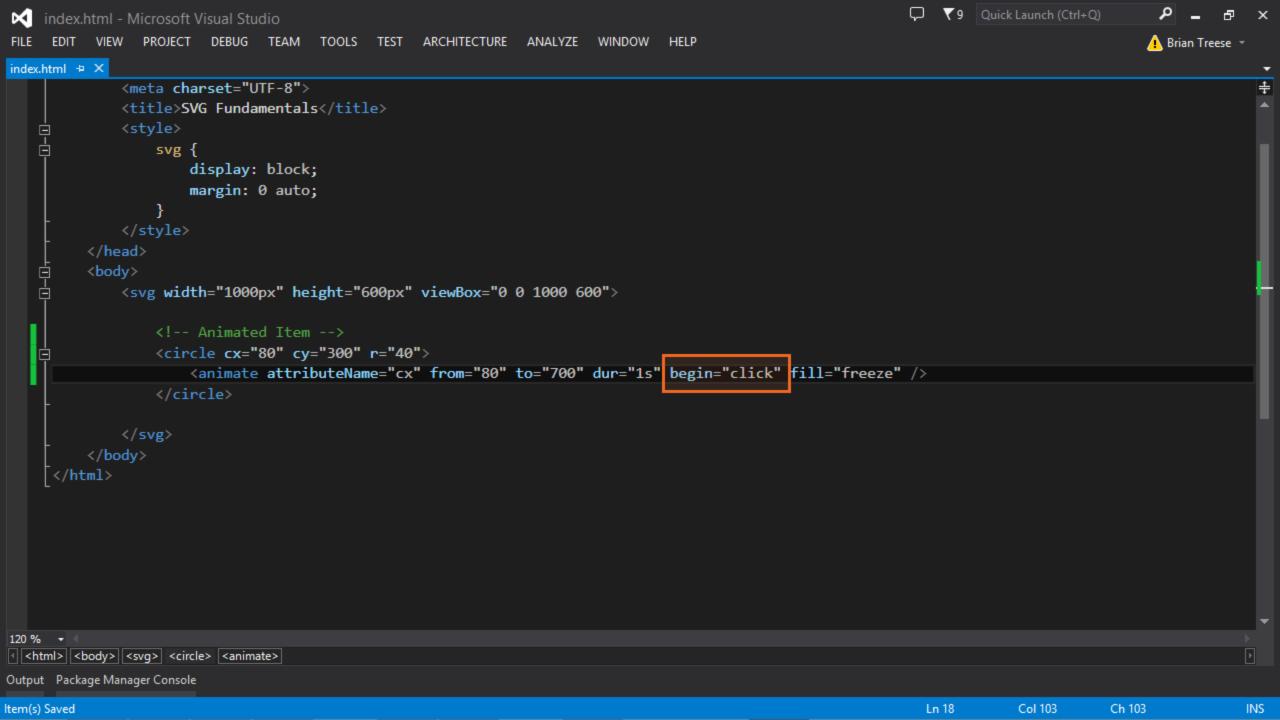


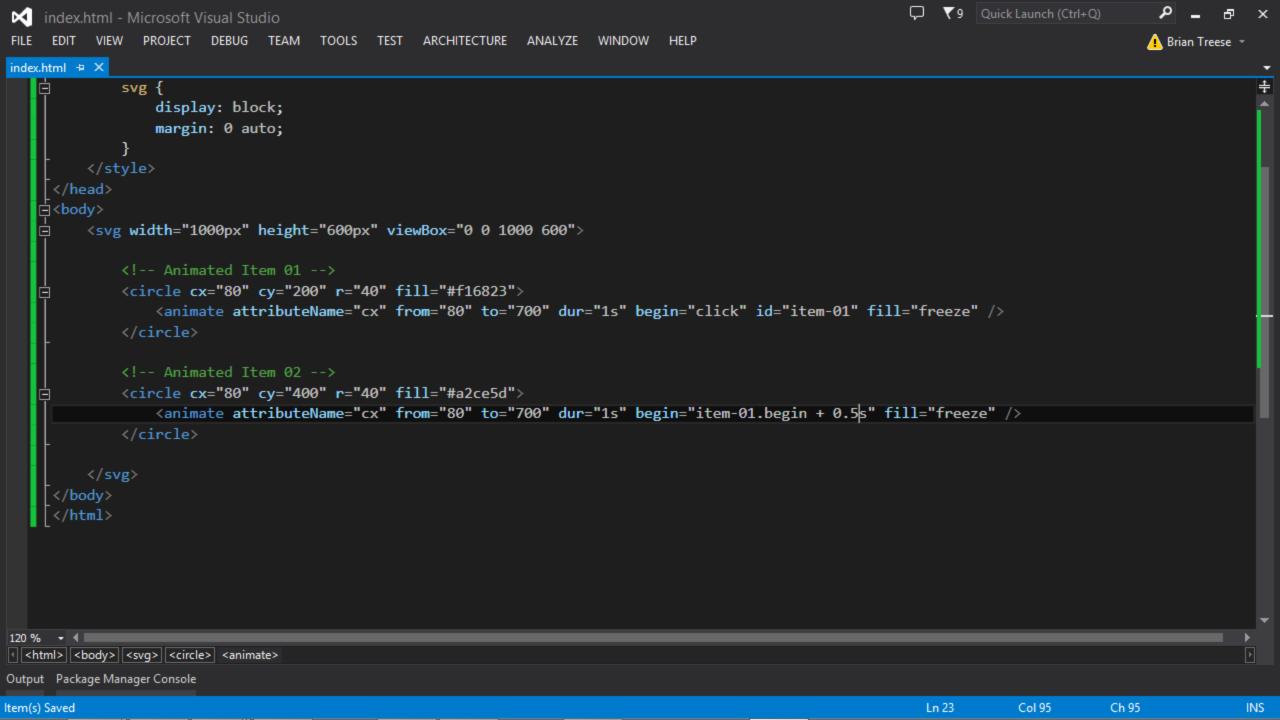








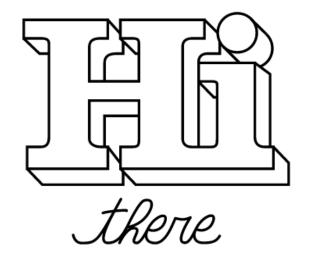






SVG Animation with JavaScript Manipulation & Animation Libraries

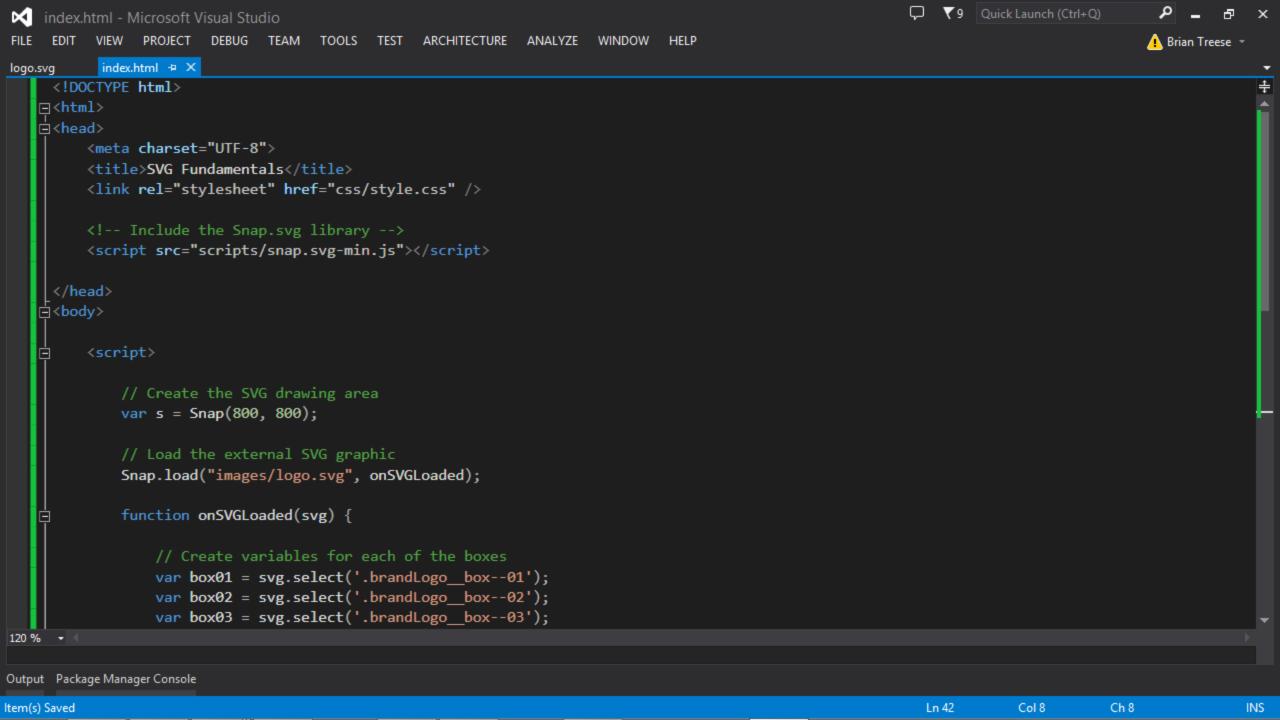


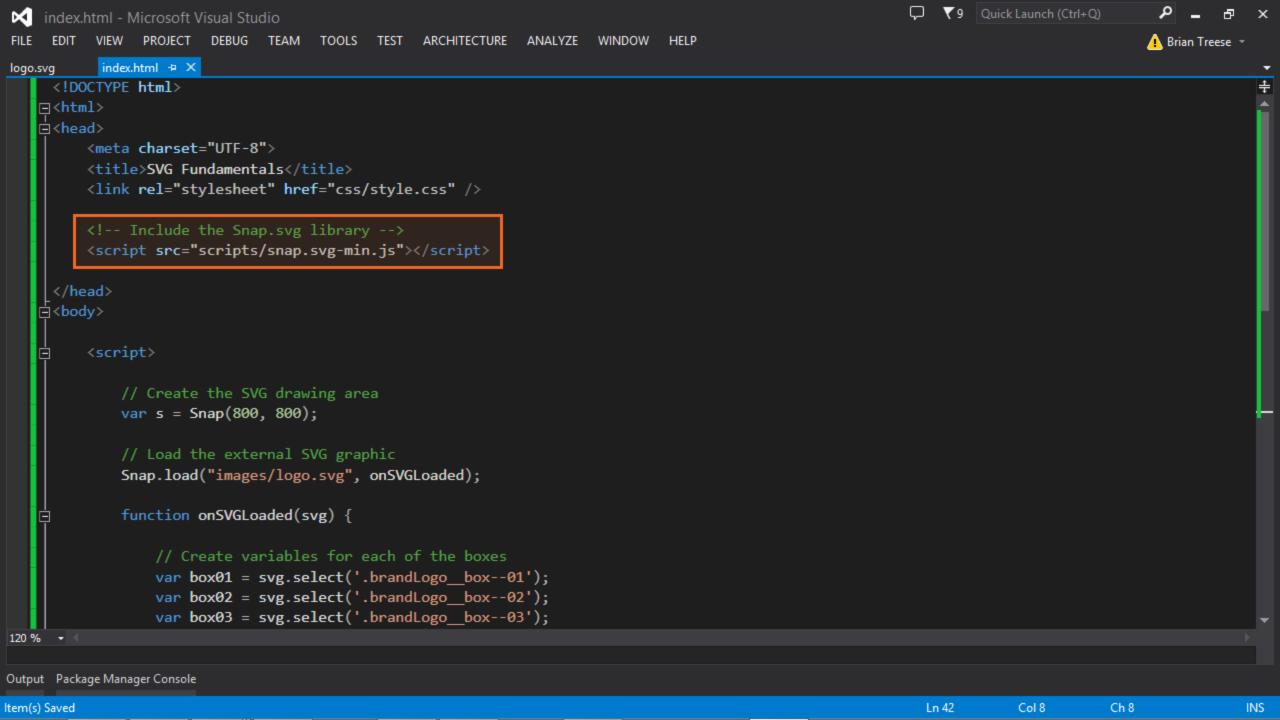


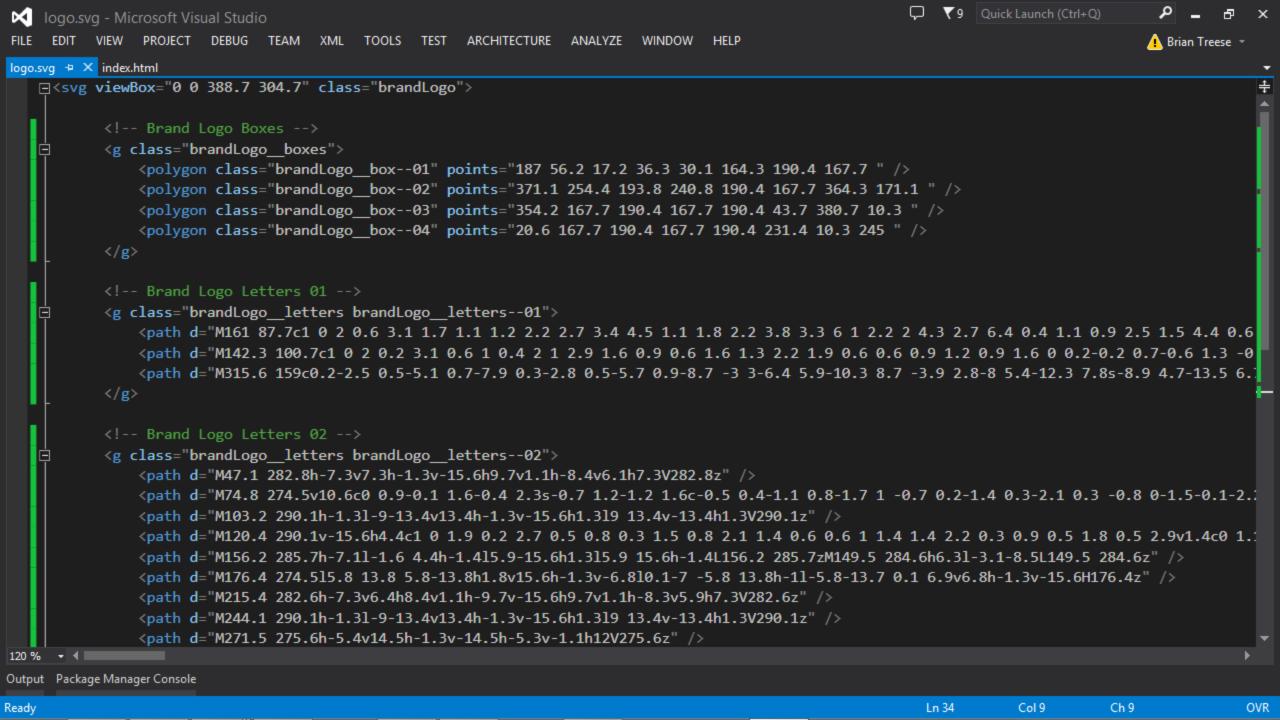


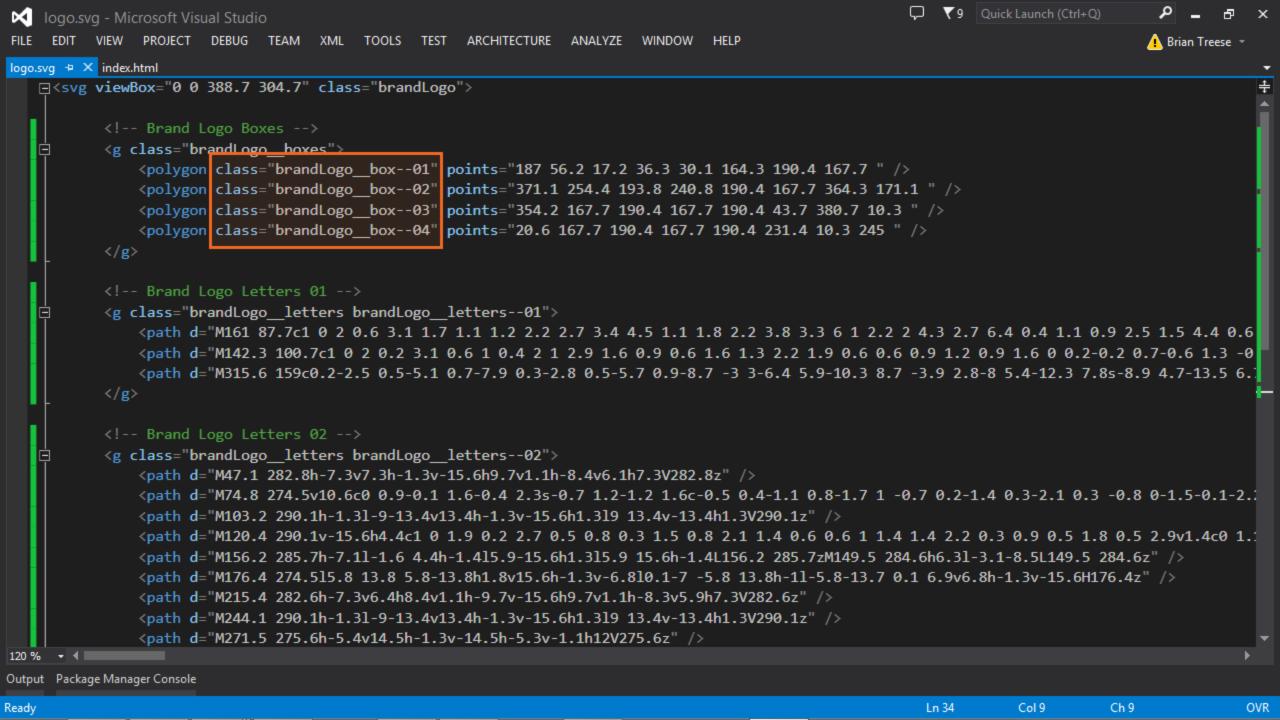
Snap.svg

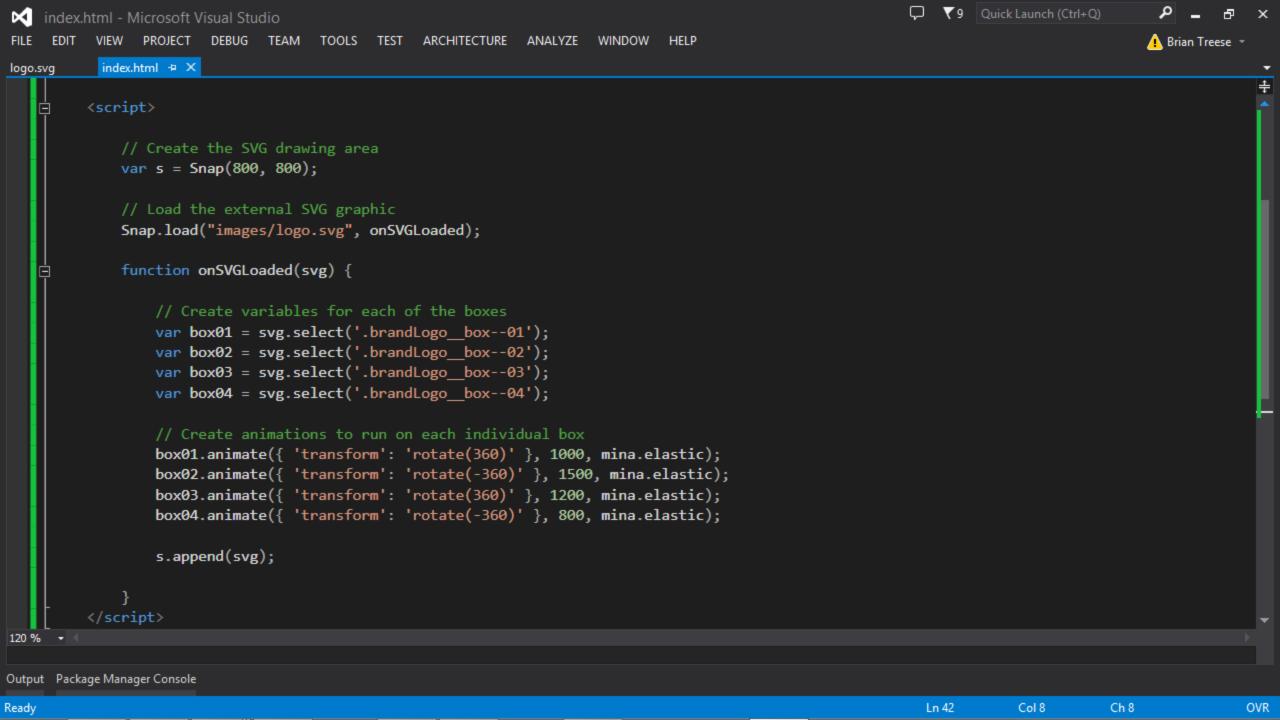
http://snapsvg.io/







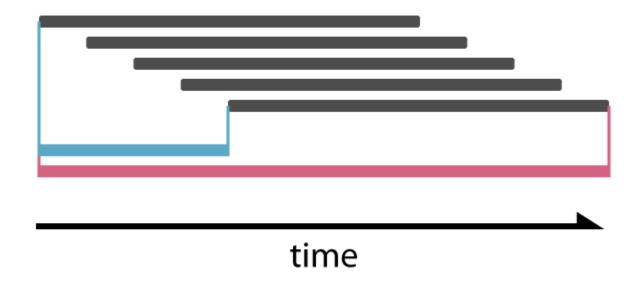




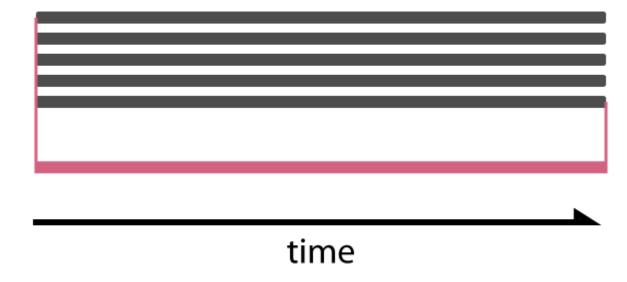
Vivus.js

https://maxwellito.github.io/vivus/

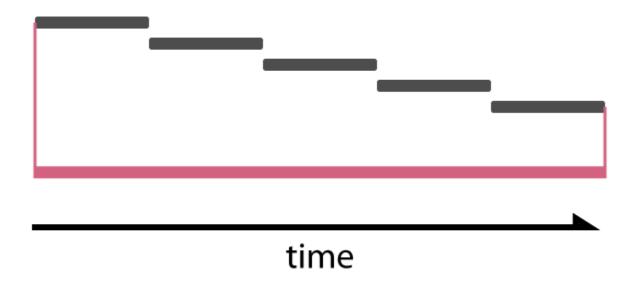
Delayed



Async

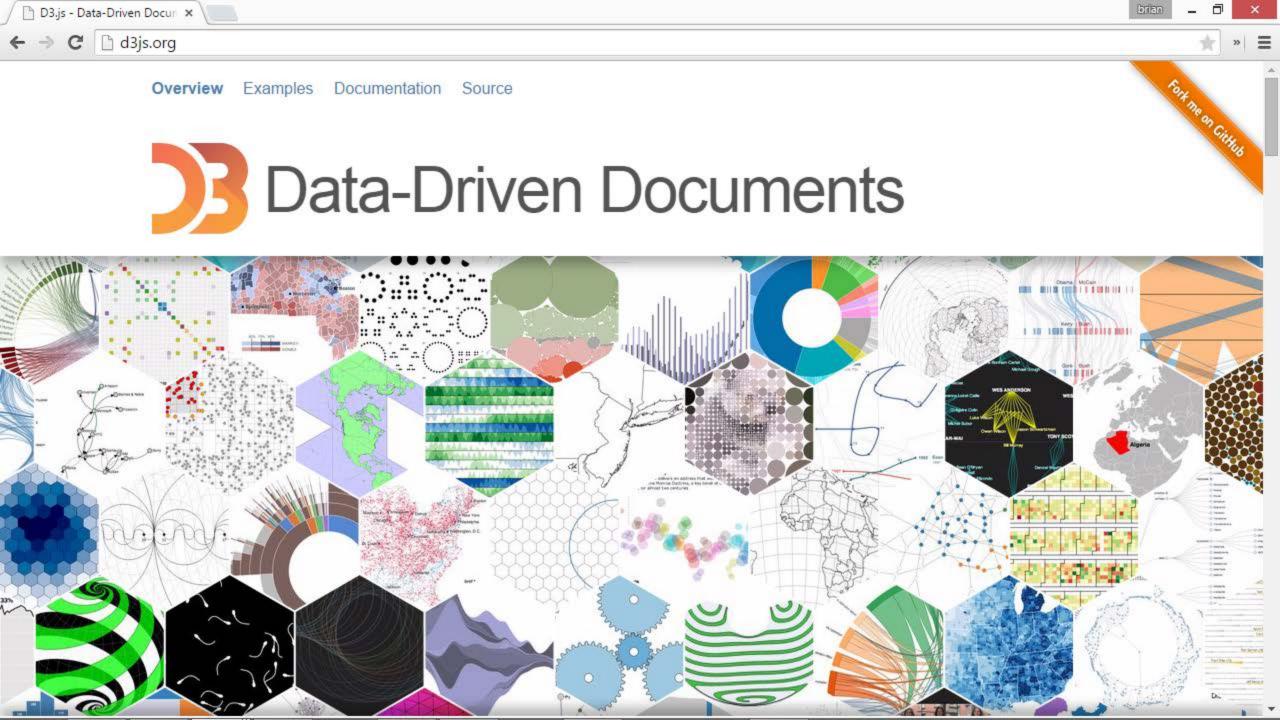


One by One

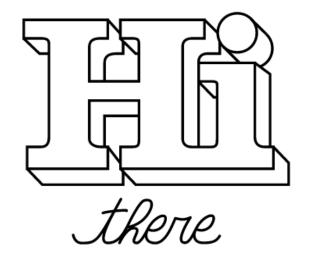


D3

http://d3js.org/









We can create our own!!!

Summary



The possibilities are endless!

3 methods to add interactivity and animation to SVGs

CSS

SMIL

JavaScript

CSS and SMIL are inconsistent

JavaScript is best at the moment