Jack Bonadies CSC543 February 17 2019 Week 4

Reading about the problems with raster images, including bandwidth, and the solutions such as vector (math-based) images, caching the largest files of the site, and using canvas to create vector images. Also, I did not know about media queries before this book, I found the strategies in creating responsive web design to be very enlightening, such as creating a class of desktop only 'div's and using a media query for the screen size in order to hide these 'div's on mobile devices. Also, this reading really helped to clarify CSS, including '.' (class) vs '#' (id) vs '@' for queries, I did not realize 'id' tags should be unique and only once per page, this has caused me problems in the past. Finally, with the elaboration on CSS rules (ex. .completed ul{} where only the unordered lists inside of the class completed are affected) I feel that I am much stronger in using CSS. Visualizing data was difficult, it involved creating an event handler, learning how to create and use a FileReader object, dealing with .csv files by using JavaScript string methods, and working with an external JavaScript library. The book did help me with a few techniques, including the headers for the graph which have the visibility attribute.