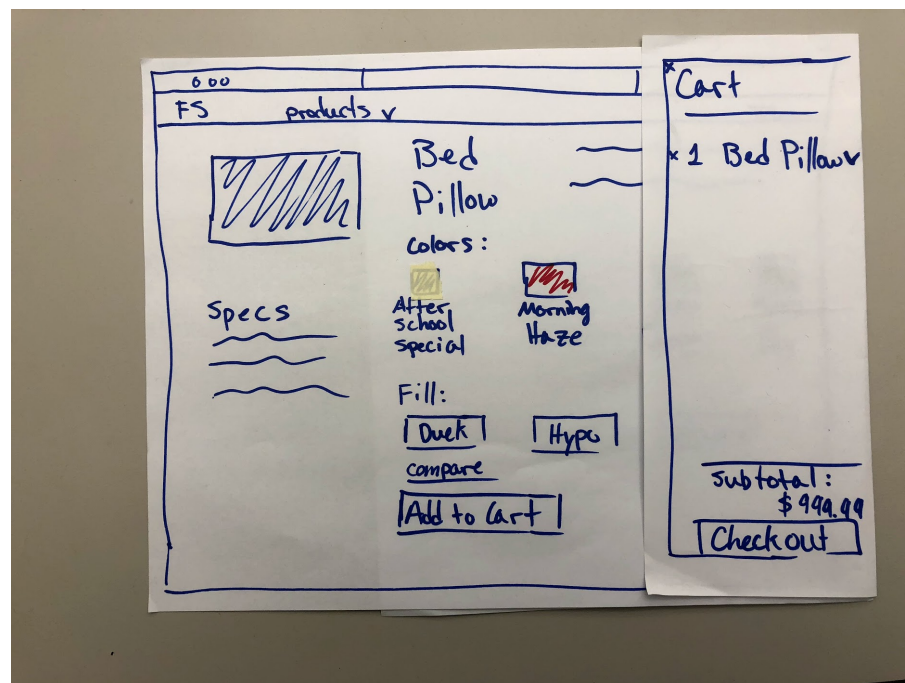PUI Assignment #6
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I encountered a number of bugs and challenges while completing this assignment. While the .click() functions were relatively easy to implement (thanks to the help of JQuery), managing storage and parsing through arrays was a pain. I feel as though the main reason for this is because Javascript doesn't explicitly keep track of variable types. I had to think through what sort of data type I was calling when I accessed local storage through the JSON commands in order to interact with other functions in my code.Working through the local storage was the most difficult aspect of this assignment. After our lecture, it was not immediately clear how to call certain properties of the stored object, and if it was accessible across my javascript file. It took some trial and error to see if it would be easier to simply readdress my stored objects to a new array each time a webpage was loaded, then use that array in my functions within that page. However, I then had to update my local storage at the end of all of those functions. It was a lot to keep track of.

Trial and error was my primary method of attempting to solve these issues. While I'm not certain if it was suggested in class, I utilized console.log() more than any previous assignment in PUI to diagnose bugs. I would output something to my console before and after specific lines of code to test where my program would get tangled up and then work backwards until I found the error. When that method failed, I turned to google and online forums. w3, stackoverflow, and other API documentation for JQuery and Javascript were helpful for suggestions to fix my javascript code. In addition, these resources taught me the new css feature "backdrop filter," which created the blurred background effect on my shopping cart and other text-boxes.

Lo-Fi Prototype:

I used the lo-fi prototype from assignment 2 as the same prototype for this assignment. casper.com was a benchmark design that I used for my website, and I liked how they incorporated a sliding cart rather than a separate page. This feature allows users to see the items in their cart at any point of the shopping process. Therefore, I included this design into my site.

Hi-Fi Prototype:

I built this sliding cart feature into my hi-fidelity model for a previous assignment; however, I neglected to take any screenshots of that prototype. My final design was almost identical to the prototype. The new additions to the final design were descriptions of individual products (e.g. color and fill). I included these properties below the type of product because users should be able to discern each product they placed in the cart from each other.