

My final semester project idea is to create a mock clothing shop website called ClothingMania. Generally, I feel that online shops in general are a great example to demonstrate understanding of full-stack development, as there's many things that go on from storing account information, retaining "your cart" info, being able to display items correctly, being able to add/edit shop items, etc. My idea is to create a fully responsive website that would function and look typical to a simple clothing store. The aim is to capture the feel that a user would experience just like any other quality-looking website, while also remaining professional and sophisticated. There are a number of smaller business websites that I have taken inspiration from, but mine will still look unique to theirs as the upmost goal is to present this as an official portfolio piece. It will include many web pages that will look representative of a normal website so as to not distract the user from the main topic of the site or to make them feel confused while navigating.

A home page will be made available whenever the user first pops into the site, showcasing the newest items that were added to the store as well as the most popular items accessed by users. A shop all page will contain the site's entire inventory in a neat and organized manner, while also including features such as a "sort by" to filter out items that the user wants. An individual item page is generated for each item, where the user is able to customize a particular item to their needs. A "your cart" page will be created, detailing the items that the user currently has in their cart. A checkout page is also made available to the user whenever they are ready to buy their items. In addition to these, a simple about and contact us pages are created to more fully make the website feel as if it is a more professional looking site. Finally, an edit items page will be available to only administrators logged into the site to be able to control the site's inventory.

Some of the data that will be stored and manipulated would be admin accounts. It is unreasonable for a random user to be able to be able to edit the website's inventory, so administrator accounts will be generated for the use of adding, editing and deleting items. This also means that there will be a login created to store accounts and to verify that an admin is logged in to do this. Some item information may be stored, edited, as well as deleted, such as an item ID number, an item image, name, price, and sizes. Some user specific info will also be stored such as their cart information, and will be displayed to the user whenever a "your cart" button is clicked at the top of the page. When a user clicks on an individual item, this will bring them to that item's page, where the user will be able to pick the size and quantity of the item, which will allow them to add it to their cart. Their "your cart" info will be displayed to them along with all of the information for each individual item currently in the cart. The checkout page will allow users to input their information, such as shipping and payment information, which will be verified before allowing the user to purchase their cart.