Our application is a simple shopping interface themed around Computer Science and icons within the EECS Department at Mizzou. Users of the website can login or create accounts and are assigned credits to shop with. Once logged in there is the option to “purchase” items using allotted credits which will lower the remaining quantity for other users to purchase.

We used Node.js for much of our development; our final version has the dependencies *bcrypt, passport, express-flash, express-sessions, dotenv, method-override, passport-local,* and *nodemon*. Bcrypt and passport were used for secure hashing of passwords, while nodemon and express allowed us expanded functionality throughout our webpage. Throughout our project we made several files for logical organization of our code. Many of which were separated by folders. Our *views* folder contained the 5 files that users would interact with. There are files for the login, registration, cart, and shopping pages. Each of these files contains the core HTML code to display these pages to the user. Implemented using the *Bootstrap* framework, we were able to efficiently organize our pages and design reactive, elegant layouts. Our JavaScript files included *server.js*. Our *server.js* included all our functions, JavaScript, and database interaction code, as well as the procedures needed to link the front and backend of our project. We used *MySQL* for our database; after a long and arduous experience with MongoDB we decided to pivot to using MySQL and were able to get full database functionality because of that. In addition to these code files, we included a folder to store our media images, and had two json files for configuration.