Woodcraft Haven Web Application Summary

Week 3

Jon Hayden – CSS/450 – Professor Iles

# User Flow

When the user logs into the application, they are presented with a home page with several options that will take you through the web application. It’s a Single Page Application so you never really leave the index.html page. Instead, JavaScript just refreshes what you see on the page based on what you click.

* Shopping
  + You can load the CSV database which then presents you with all the available products
  + Add/Remove items from the list
* Shopping Cart
  + You can load the cart CSV database
  + Checkout
* Community
  + This page is a message board where you can chat with other members
* Design Plans
  + This page lets you download available woodworking plans
* Search
  + Search all the products
  + Filter search by name or category
  + Filter based on a price range
* User Profile
  + The user’s profile page with personal info
* Contact Form
  + You enter your info and message and submit to the website
* About
  + This tells you about the company
* Home
  + Welcome message

# Requirements

There are a lot of features, but the application still does not meet all requirements. There is currently no authentication or login page. The index.html takes you right into the application without any security checks. Security is beyond the scope of this application due to the complexity and time required to implement it. There is also no actual payment processing at this time. Obviously, this is a big hole for an ecommerce app, but it would also involve a lot of work and experience to implement it. And finally, there is no production type database in this application. Instead, I’m using a CSV file to hold all the products for sale. But I tried to make things modular so you could swap out the CSV file for a database. My thought is that a lot of these items would eventually just be microservices using Kubernetes. It would include containers for Postgres/Mongo, Keycloak, the web UI, and backend API.

# Github

<https://github.com/jonmhayden/woodcrafthavenmock>