Pablo Martinez

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| GitHub: OccultSlolem  Group: The Beer Men  Teammates:  Jake Swenson  Eric Thompson  Ethan Hanlon | ID: 922270801  CSC317 Intro to Web Software Development  918356067  922361944  921256970 |

Group Project 3 – Storefront in CSS

**Description**

The assignment was to build upon the storefront we built with html and add CSS. Requirements included navigation between all pages, a home page, product pages, and intermediate pages, as well as incorporating CSS elements in a visually pleasing manner. Files needed to be organized under the var/www/html directory, and images, product pages, and stylesheets needed to be in their own directories. In addition, we had to present our webpage in class.

**Approach / What we did**

We chose to create a website named RoboStore to sell robotics equipment, including microcontrollers, tools, sensors, and motors. We used a consistent navbar across every website, the HTML for which we stored in navbar.html. The navbar was a 100% width table with a yellow background, an h1 with our site’s title on it, navigation icons, and category shortcuts. We also added a settings page where a user could change various account and profile settings.

We divided the work by having each team member be responsible for their own pages. During the CSS stage of the project, the color scheme was already decided upon, so the only consistent CSS element between pages had to be the navbar and the fonts. Apart from that, team members were free to use CSS as they pleased.

**Issues and Resolutions**

One of the earliest issues occurred as we were designing our navbar. The images were too pixelated, causing them to look bad on many displays. We solved this by replacing them with scalable vector graphics files so that they would scale to any size without any loss in quality.

Another issue had to do with the organization of the content on the index and category pages. This required quite a lot of trial-and-error in order to find the right table organization, but eventually we were able to find a solution that looked okay to us.

During the CSS stage, it was tedious to get everything uniformly styled, especially in the product pages. All product pages had to be the same except for the product related titles and files, so this involved a lot of copying and pasting. Also, importing and getting the stylesheets working took a while to get working, and when they did work, there were conflicts with the previous html code. This was solved by deleting the html code that interfered with the CSS, or by any flexible solution that worked.

**Screenshots**

Graphical user interface, website

Description automatically generated

Graphical user interface

Description automatically generated

*Home page*

A picture containing text

Description automatically generated

A picture containing graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated

*Product Page*

Graphical user interface

Description automatically generated

*Category Page*

Graphical user interface

Description automatically generated

*Settings Page*

Graphical user interface

Description automatically generated

*Login page*

Graphical user interface, application

Description automatically generated

*Cart page (Zoomed out to 80%)*

Graphical user interface

Description automatically generated

Graphical user interface, application

Description automatically generated

*Checkout page*

Graphical user interface, application

Description automatically generated

*About us*

Timeline

Description automatically generated

*FAQ*