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**Project Documentation**

Project Organisation

The website is organized into 6 separate HTML documents in different folders to mimic a proper website. All of them are named as *index.html*, with a *.htaccess* file in the root folder. to suppress the *index.html* at the end of a page link when hosted by a server. The location and purpose of those HTML documents are listed below.

1. Home:
   1. [www.peemporium.com](http://www.peemporium.com)/index.html
   2. The home and introduction page of the entire website
2. Products
   1. [www.peemporium.com/products/index.html](http://www.peemporium.com/products/index.html)
   2. The page that lists the different types of products the website offers.
3. Support
   1. [www.peemporium.com/supports/index.html](http://www.peemporium.com/supports/index.html)
   2. The page that shows frequently asked questions and their answers.
4. Toilet Paper
   1. [www.peemporium.com/products/toilet-paper/index.html](http://www.peemporium.com/products/toilet-paper/index.html)
   2. The page which shows what toilet paper products are on sale and links to buy them.
5. Mask
   1. [www.peemporium.com/products/mask/index.html](http://www.peemporium.com/products/mask/index.html)
   2. The page which shows what masks are on sale and links to buy them.
6. Hand Sanitizer
   1. [www.peemporium.com/products/hand-sanitizer/index.html](http://www.peemporium.com/products/hand-sanitizer/index.html)
   2. The page which shows what hand sanitizers are on sale and links to buy them.

In the *<body>* section of each HTML document, there are 3 portions: navigation, main and ribbon. The navigation portion is bordered by *<nav>* and *</nav>*. The main portion is a division with the class called *main* and the bottom ribbon portion is called *ribbon*. The main body and information for each webpage is located in *main*.

The stylesheets used for the websites are placed in [www.peemporium.com/styles](http://www.peemporium.com/styles), and there are 3 of them. The main stylesheet used by all the pages in the site is named *theme.css*. However, there are 2 other miscellaneous stylesheets used to style special elements in certain pages. One of them, *homegrid.css*, is used for styling the payment methods section in the home page. The other, *itemimage.css*, is used to style the list of product options for each product page.

The only JavaScript used is *script.js* in [www.peemporium.com/scripts](http://www.peemporium.com/scripts). The only function in the script is *menubarResponse()*, which changes the visibility of the navigation bar options when the user is viewing the webpage from a mobile screen.

The images used in the website are located in [www.peemporium.com/sourceimages](http://www.peemporium.com/sourceimages). However, the images in the webpage are actually referenced from the respective images hosted on imgur.com.

To add customisation to the website, I used a custom font called *Stone Sans*. The True Type Format and Web Open File Format 2 versions of the font are stored in [www.peemporium.com/fonts](http://www.peemporium.com/fonts).

Planning Phase

The planning I did for my website helped me to visualise where the various elements were supposed to go. This helped me to do figure out how to organise the HTML elements and which CSS properties I should use. For example, the zigzagging text in the main portions of each webpage led me to use the *flex-direction: row-reverse* property. The navigation buttons in the planning document also told me what properties to change when the user hovers over them. The planning made beforehand was critical to making sure that I knew what elements to put in the webpages and to correct any design flaws before writing the code.

Overcoming Challenges

When I was making the website, a few challenges sprung up along the way. For instance, porting the website to mobile screens (less than 600 pixels) was especially onerous for the navigation menu. When the user views the website, the navigation menu buttons should disappear unless they press the menu bar to toggle their visibility, in which case the menu elements should appear centred instead of aligned to the left. However, I wanted the logo of the company represented by the website to appear on the navigation bar no matter what. I tried to search for examples of responsive navigation bars online. Unfortunately, the most comprehensive example from <https://www.w3schools.com/howto/howto_js_topnav_responsive.asp> uses different structural element tags and overall structure. Thus, it was difficult to port over the example and adapt it to my needs. However, I managed to setup my navigation bar by mapping the different structural element tags used in the example and the ones in my HTML document, allowing me to assimilate a responsive navigation bar in my website.

There was one other point in my project where I faced difficulty, which was the payment method section in the homepage. The elements were supposed to appear in a 2 by 3 grid. However, the grid did not work for both generic CSS grids and bootstrap grids, hence, I left the elements to display vertically.

Project Special Mention

One rather important part of my website I would like to mention are the 3 pages listing the different options under each available product group. In the banner section of each product page, there are buttons that allow the user to navigate to other available products, which improves navigateability throughout the website.

All the available options near the bottom of the page are also interactive. When users hover over the options, their shadows transition to a blue glow. In addition, in order to fulfil the fully functional links requirement, all buttons that do not link to a webpage in my website that does not exist, link to Rick Astley’s Never Gonna Give You Up video.

Images Used

1. *Generic Hand Sanitiser*. (n.d.). Retrieved from https://images.indianexpress.com/2020/03/hand-sanitizer\_1200.jpg
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15. *Pitta Mask*. (n.d.). Retrieved from https://dynamic.zacdn.com/hTMQQ6-FDRfGfSxKWHrNqIJ862M=/fit-in/346x500/filters:quality(90):fill(ffffff)/http://static.id.zalora.net/p/kayser-9530-4266532-1.jpg
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External and Adapted Code Used

The main outside code I used is bootstrap and its supporting jQuery for grids and making sure that all the elements are proportional to each other. I adapted a piece of code from w3schools for my navigation bar.