CPS630 – Winter 2018
Web Applications
Assignment-2 (Iteration 1) Technical Report

In our assignment we used different types of HTML elements to create our webpage. One of the major elements we used were <div>. The div tag let us organize our page into different sections which could make it easy to location errors and fix up our code without it effecting all areas of the webpage. Furthermore, with the use of the div tag, we were about to integrate css and javascript more smoothly; we were able to reference classes and ids within specific div tags to add functionality to certain areas of our webpage as well as modify the visual aspect of the page. Another tag that was used in our webpage was the <nav> element; this allowed us to add the navigation bar at the top of the page. Using the nav element, we were able to add headers to our page and make it simpler for users to get to various information and art work contained in our webpage. On the main page, we used dropdowns using <li> tags such that each option would be displayed after another. For the information in the popup, the image was displayed using the <img> tag. For the information of the artwork or the artist we used the <table> tag to display the information so it could be viewed neatly and clearly. Using the <table> tag helped organize the information, so we could easily display the information beside the image. Some of the table tag included <th> for the header, <tr> for the row, <td> for the table cell. Finally, we used the <script> tag to reference an external Javascript file and we used <link> tag to reference an external css file.

Our webpage used CSS in various areas to style text, tables, and images. Using the text-align property, we were able to align several tags (h1, h2, nav, button, a, footer) in our page to the center. Using the font-family property, we were able to add a specific font (Cormorant Garamond) to our webpage and provide more of an artistic feel to our page. Using the background-color property, we were able to add color to various tags and areas of our webpage; specifically, buttons and the webpage itself. We also used the padding property for our table with the artist/artwork information to make it look more professional and elegant.

To add functionality to the navigation bar along with the dropdowns in our webpage, we used Javascript. By incorporating Javascript into our webpage, we were able to create functions that would be called from the HTML file when an Artwork, and Artist or the shopping cart was clicked from the navigation bar. The functions contain information about and what is required for each Artwork and Artist. Furthermore, we were able to utilize JavaScript to create Modal boxes; this functionality allowed us to create a pop-up window for when users clicked on a particular Artist or Artwork. The Modal box allowed for a clean and elegant UI which contained a picture of the Artist or Artwork along with the respective information gathered.

Moreover, we used a bit of jQuery on our webpage for the shopping cart feature. Using jQuery, we were able to functionality to the quantity of the artwork. For instance, if they increased the quantity the price would multiply and increase and if the decrease the quantity it would

subtract and decrease. As a team we thought this was the most effective way because jQuery was a great way for if the quantity was increasing or decreasing you could use jQuery to multiple or subtract the price as different Artworks have different prices. Also, it helped us keep track of what items are being purchased and it would automatically add 13% tax on to the total price of the items. Also, we used various jQuery function to help select a certain id or tag and to find the closest tag.

In addition, we also used some php in our code to save the information that the user inputted in the shopping cart shipping info. This was the best way to display the information about the user purchasing the artwork in the final invoice. We would extract each of the information such as Name, Address and Country using $_POST and set them as a variable. Then, we would use echo and some styling to display the information. We used php because it a great language to help extract, store and display information and it had exactly what we needed.

Members	Tasks	Weight		
Manrag Nagra	HTML/ CSS / JavaScript/Technical Report	33.33		
Ronak Patel	HTML/JavaScript/jQuery/Technical Report	33.33		
Gurkirat Singh	HTML/CSS/jQuery/JavaScript/	33.33		