**CSE104- Project**

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If the past year has taught us anything, it’s that we are tired of being at home. We want normal. We miss normal. And normal means movies. In movie theatres. Inspired by the pure nostalgia of our spectacular experiences in movie theatres, we decided to create a website called CINEMATIC- as we look forward to the end of this crisis and cannot wait to experience, once again, the thrill of being in a cinema hall.

Together, we have integrated our basic knowledge of HTML and CSS to pull off a visually appealing website consisting of 5 different pages: a home page, films, buy tickets, about and a login page. The workload was equally split with Laura working on the homepage, films pages, header, footer, and resizing of the home and films pages for phone screens (making our pages *responsive*), and Vinaya working on the buy tickets, about, login, logo and the report.

Our process started with the brainstorming of ideas on how we would like our pages to be themed. As one (Laura) began her work with the basic formatting of the header, the other (Vinaya) started working on the logo on a logo making website. The header, being common to all of our pages, consisted of our basic HTML template along with links that lead to our other pages. We used a handful of fonts, handpicked from Google fonts, that we felt suited the theme and style of our website. Moreover, we utilised many CSS properties such as position, background, text-align and hover, to accommodate for appropriate positioning, and even ensure change of colour when hovering above the text icons.

After finalising our logo and our theme of blue, yellow and pink, Laura began working on the footer and the homepage. We employed small social media icons as links (that would be leading to the social media pages of CINEMATIC, if they existed) in the footer, and links leading to some of the other pages, similar to that of the header. After the footer was complete, Laura created a very simple, easy to access homepage inculcating our main colours and fonts. Simultaneously, Vinaya worked on the about page. We ensured to emphasize the theme with an eye-catching colour gradient as well as our main fonts – Antonio (title) and Dancing Script (body text) - with the intent of not just textually, but also visually showing the reader what CINEMATIC is about.

Not long after, Laura started her work on the films page. To keep it simple, we chose to embody the page with 6 films of different genres (for variety). We implemented the idea of position and hover, derived from the HTML/CSS tutorial 011 to execute an interesting way for the viewer to choose the film he/she wants to know more about. Clicking on the title of the film leads the viewer to the film’s page, each with its respective trailer and information on the film. We implemented the New Tegomin font that was suited to the theme of the detective film to make it more interesting.

At the same time, Vinaya worked on the login page. While keeping the code simple with a basic username - password input, we integrated a dynamic CSS animation to bring to life our submit button. The animation was done by splitting it into four different frames that were coded separately, specifying the transition times between each frame. While this concept was new to us, it was all the more interesting as to how we could implement live animations within CSS code, without the need of JavaScript. The rest of the styling ensured a captivating choice of colours and fonts along with interesting results when ‘Create an account’ and ‘Submit’ were hovered over. We however kept aside the scripting to ensure that a user has logged in with a particular username or has created an account as we intended to focus more on the styling of our pages.

The next task for Vinaya was to create a buy tickets page - one which took information (name, card number, movie, day, time) in the format of a form. For the HTML, we used a form option wherein we were able to ask the user to fill in the required details with ease, by including inputs of the form text and button, as well as select - option combinations, we ensured the form was easy to access and like the other pages, aesthetically pleasing. This was executed by using simple yet effective CSS properties such as background (linear gradient), hover - box shadow, etc. In addition, we decided to put our JavaScript knowledge to use by creating a function that warns the user to fill in the ‘Card Number’ section with exactly 16 digits, when the form is submitted. We further enabled, through JavaScript, a pop-up message confirming that the data was saved, once the form was submitted.

The final, most important step that Laura took was to ensure the scale of the elements on our home and films pages were adapted to the viewport width. This was done by adding the meta information in the head section of each HTML webpage as well as the CSS media query, allowing us to set specific rules to our elements suited to our screen width and height. For the header, it was decided to change the layout for screens of width 700px and smaller, as it is around that size that the links in the header do not stand in one line anymore. (Laura reached this conclusion after testing different widths in the developer mode of her web browser.)

During this process of creating a stunning cinema website, we took some key steps to ensure that our code was feasible and valid. As partners, we ensured to check each other’s work once one of the partners feels like their page is ready to go. Moreover, we would ask each other for suggestions when it came to the visual aspects of the pages we were in charge of, and in the end, we would finally validate our code using the validator websites for HTML and CSS.

One of the challenges we faced was updating our code for each page every time we decide to change a part of our code. This is because we had a common header and footer for all pages and those were two of the features that were changed the most during the process. Unfortunately, we did not use much JavaScript for our website, as it did not require it. All in all, this project challenged our creativity and programming skills offering us a hands-on experience in the programming world. With no web programming experience prior to this course for the two of us, we feel content with the quality of the website that we created.