

# Report

This report focuses on the website built by Collin Chan and David Huynh. When viewing the previous websites mentioned from the assignment handout, there were a variety of problems that were noticed. For the [first example](#), the website is lacking some styles as it was purely black and white with some images and text. The website is also not very accessible as there was just a single page with a lot of information on it. This may seem cluttered to the average user and if the user only wanted to access a certain section of the course, they would also need to scroll and find it themselves. As for the [second example](#), although the website has colours and styled fonts, it is not designed very well as it seems very dull. For the [third example](#), this website contains far more styled components and is organized well. However, it is not responsive as the topbar will not cover the width of the web browser in some situations. In addition, it is also very cluttered for the lectures page. Moreover, the default Google Calendar interface is also quite dull, making it rather challenging and boring for the user to navigate through the website. Lastly, most of the examples also had links that would redirect the current tab. This is very inconvenient for students as it might be a requirement to have multiple links open at the same time during lectures/tutorials.

As mentioned previously, we noticed a lack of styling and organization in the first and second example. In order to address this, we have created a set of styled components that will be reused throughout the website to create a more seamless experience. We have created multiple pages in order to organize the course information into different sections. On top of that, we have also created a top navigation bar that is always fixed at the top of the screen for users to navigate through different pages easily. From the third example, we've noticed that the website was not responsive and the lecture page was also very cluttered. As a result, we utilized css media queries to alter styling based on different viewport sizes. This would ensure the design of the website to look consistent and accessible on any devices. We also created a new design that utilizes cards to display each week of lecture/tutorial material. We found that this was a great way to separate the overuse of text in a certain area, so we went with the same approach for the other pages as well. This would also contribute to creating a more consistent and organized appeal to the user experience. As for the calendar, we had implemented our own calendar using an open source iCal to replace the default Google Calendar interface found in the third example. This presents the calendar in a much cleaner way as we were able to customize the styles of the iCal to fit the styles of our website. We have also made all our links to open in a new tab when the user clicks on it for easy access without needing to exit our website. Lastly, we have also created animations on hover and on click to improve the overall user experience.

Throughout the process, we were met with a few challenges. Firstly, using Flexbox and the grid layout was not a simple task at the time. In order to overcome this challenge, we looked up more examples of the application of Flexbox and the grid layout to have a better understanding. Secondly, we also had a lot of duplicate css code. This meant that we also had to go through refactoring the css code and separating components into different css files. Therefore, through analyzing the different course websites, we have found that they were not designed well for the average student. As a result, various measures were used to address these problems specifically.