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CSCB20 Assignment 2 Report

Problems with previous websites:
1. <u>Outdated/Ugly designs</u>: [CSC148 Introduction to Computer Science(2016)](#) is an ugly mess. Even with the small amounts of styling, the styling is inconsistent and the red and blue colours clash uncomfortably. The website lacks styling, featuring a tiny and outdated font and lots of unused space on the right side. The pictures have incredibly poor quality. There is a link that takes you to the top of the page that's placed to the left of a table, which is likely an accident. Although the [CSCB20 - Introduction to Databases and Web Applications](#) website looks a lot nicer than the CSC148 2016 website, it still has some issues with its design. Highlighting over the navigation buttons causes an ugly effect that makes the font uglier and moves other elements around. The font being all italicized is unnecessary, especially since the purpose for italicizing text is to create emphasis.

2. <u>Lack of responsiveness</u>: [CSC148 Introduction to Computer Science (2016)](#), [CSCB20 - Introduction to Databases and Web Applications](#) and [CSC148: Introduction to Computer Science(2024)](#) both lack a responsive design, meaning mobile users will have a much more challenging time navigating them. Mobile users for the CSC148 2016 and CSCB20 websites will have to zoom in and scroll around to be able to comfortably view contents. Large screens on the CSCB20 website have lots of empty space on the right. Although the CSC148 2024 website fits everything in the screen so you don't have to zoom in and scroll around for navigation, text gets really cluttered and uncomfortable to read on a mobile device.

Solving these problems:
To solve both issues, we chose a minimal modern design with a clean and smooth font, making our website easy on the eyes and easy to navigate. The content is spread around enough to help make our website appear less empty and cluttered. We used a combination of media queries and flexbox to implement a responsive design, making the website friendly for all screens, especially mobile devices. All of the content fits on mobile screens right from launch, so mobile users don't have to constantly scroll around for navigation. Our responsive header makes navigating around different pages possible and comfortable on all screens with the use of a drop-down menu that only appears when the screen is too small for the regular header.

Challenges:
Our greatest challenge was making the website responsive, especially with the header. Although the member who created the header has HTML and CSS experience, creating a responsive header with a drop down menu was new to him. Other items where responsiveness was a challenge to implement include images and tables. However, with plenty of research, playing around, and strong collaboration between group members, we were able to successfully implement responsiveness to our website.