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Portfolio webpage can be found at:

<https://bryanhuynh.github.io/CPSC-481-Project/>

Portfolio GitHub is found here:

<https://github.com/BryanHuynh/CPSC-481-Project>

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**Online-learning interface**

As educational institutions have had to move to online platforms in order to continue functioning, due to current circumstances, the flaws of the use of many online educational tools become even more apparent. Problems that exist might include, unintuitive UI, required resources that are not centralized through a single tool, and video conferencing that is unintuitive. It is important to optimize these factors because it may be the goal of such institutions to maximize their number of customers, and if customers find that online learning interfaces are not sufficient, then they may choose to not pursue this medium of learning. In order to solve this problem, our team will develop a website that will centralize all required resources that a student may need in order to optimize their learning experience. Furthermore, this website will inculcate all required communications. It will do so while also providing an intuitive UI and by maximizing the user experience. Knowing that there are applications like Teams and Zoom the Goal would have this application have a centered focus on education. Teams and Zoom have their roots in business applications and have their problems with Larger groups. By having a more educational focus and better controls for larger groups to avoid distraction and interruption we can improve on the online learning model.

**\*Photography Landmark locator Website**

As the pandemic has pushed more people outside to maintain social distancing, we have begun to explore our cities and surroundings with much more gusto than we have before. This drive for exploring, has created a desire to find cool places to explore. Since social media is quite prevalent today, it is important that we give users easy accessibility in order to find amazing spots to make their pictures look their best. Whether you are just looking for somewhere to relax or somewhere to take pictures, having a place for people to share the places that they have found with their communities can be an important way for people to interact with their now distanced acquaintances. By creating a website where we can all share our favorite spots and share the photos that we have taken, this would be a great way to get out of the house while keeping safe. The Website will include sharing and messaging features with users on the webapp, allowing people to connect with each other, and helping to maintain that sense of community through a digital medium. The application would also contain photos that others have taken and shared as well, and the ability for their followers to like and share that location. The photo that the user takes will give them the option to tag/share their current location. It would also contain a feature in which you can link your social media profile, and it can tell you who on your friends list (of said social media app) has visited or have taken a picture at that specific location. This website is different than certain applications like Google Maps and Instagram. This website focuses on just beautiful views that one could go to or just take pictures and share it with others. This is more specifically different than Instagram because you can click on a location, find all the pictures and it would show you the exact conditions the photo was taken in like the time and weather. The difference between this and Google Maps is that these photos will be less of a review of the location but more of a review of the scenery for things like portraits.

**Hiking App**

As indoor places start to decline in population due to the pandemic. The population for hikers has dramatically increased. Which is why it is important for hikers to have a well-designed application. There can be many flaws in the UI design of a hiking app including unorganized placement of information making it difficult for users to identify hiking stats (difficulty, length, places to rest), inefficient pathways through navigating through the app, making it frustrating for users to grab information that they need. We are going to solve this problem by creating a web application that is enjoyable for users to find hikes near their location and all its information. The website will also have a messaging function for lone hikers who do not want to hike alone and want to find a group or. The application could also contain potential hazards about specific hikes, so you can prepare yourself before you go (e.g Bears, any unsafe paths, etc...) which makes it different from other apps like AllTrails.