

Internet Applications Final: **Innovation Report**

In my previous program I had taken courses and learnt how to code using Python and Java. We typically made games or small programs. This is my first time building websites from scratch. I am a very visual learner and enjoyed seeing all of the elements of my code as soon as I refreshed the page. This year we used HTML, CSS, and JavaScript to create elements of a website. In addition, we used GitHub to submit and upload our assignments. The library and information field has had many innovations over the past years. The library is ever-changing and has had to adapt to new technologies. The library has added public computers and many online resources. The field of library science will only have to adapt more to the changes to the changes of technology and offer these changes to the public.

Especially during the pandemic many services and resources require to be online. One of the most frequently used resources is the library website. The library website houses all of the online resources and allows everyone to access their accounts. The Ottawa Public Library's website has gone through many changes within the past year. There are many people that must work and design the new website at every update. There are also people that must maintain the website and fix bugs or problems. When the website goes down it affects the entire system and many users. In addition to the website the library has many additional websites that the staff use and control. This includes all of the staff accounts, emails, logins and training websites. All of these websites and services include HTML, CSS, and JavaScript elements that build the foundation of the websites that we use. The system that allows staff to check in materials had to be coded and written so that when an item is scanned it reads the barcode and takes that item off of the patrons account. Technology is ever-changing and during these times we have turned to using online resources to take over for in-person activities.