Report

When working in a library, computer programming and programming language will definitely come in handy for library technicians. Many times we are using these programming languages without even realizing it. Library staff rely heavily on a variety of different databases and websites, such as WorldCat, Sears, and the Classification Web, and all of these databases are only able to run the way they do because of HTML, CSS, and Javascript. We will constantly be seeing aspects of computer programming in our day to day job when signing into these databases and searching within them. HTML, CSS, and Javascript are not only used by library staff, but they are also used by library users through the library's website. Users are only able to browse and search through the library's website because the website is programmed with all these different elements of HTML, CSS, and Javascript. Therefore, programming language is not only vital to library technicians and their jobs, but it is also vital for how the library runs and how the library users acquire their material. In addition to all these pre-programmed databases that the library uses on a daily basis, library staff themselves will also find programming a very useful resource throughout their career. Some of the ways computer programming and programming language may be used in the library would be when creating web pages for particular programs and when hosting programs as well.

The library hosts hundreds of programs a year and each of these programs require library users to sign up through the library's website or in person. Therefore, the library needs to set up a sign up sheet on their website multiple times a year for multiple different programs. HTML, CSS, and Javascript will come in handy when setting up these sign up sheets because the library can program the web page how they want in order to ensure they are gathering all the information they need for the program. For example, the library can create different slots for various different information they need from the library user, such as first name, last name, address, email, age, and library card number. The library can also enter placeholders and patterns in order to ensure all information is being inputted into the system in the correct order. For example, the library may choose to use a placeholder to show library users how to enter their email into the system, such as, "e.x. accountemail@email.com." This way the library can ensure that no one will enter their information incorrectly and that no library users will be confused on what they need to enter into the email slot. They can use patterns to ensure that the web page will only accept information that is submitted in a specific order or pattern. This can be used for postal codes, library card numbers, and phone numbers. Library card numbers are always required when signing up for a program at the library in order to ensure that the individual is from that specific city that is holding the event. The library can use the pattern attribute in order to ensure that the library card number is inputted into the system and submitted in the correct format. For

example, if the library wanted the library user to keep the spaces in between the numbers on their card when entering it into the system, then the pattern attribute will ensure that no one submits their card number without adding any spaces. The pattern attribute can also be used in the same way for postal codes and phone numbers. This will make the library technicians job easier and will help ensure that no one incorrectly submits their information. Programming language can come in handy in the library in more ways than one, but one huge part of working in a library is the programs they run throughout the year. These programming languages will definitely come in when setting up and gathering library users information for these programs.

Libraries are always looking for new and unique programs to bring to their community. These programs teach library users lessons and skills that they may not have been able to learn otherwise. The different programming languages may come in handy if the library chooses to host a computer programming program where they teach library users simple elements of HTML, CSS, and Javascript. One of the great things about library programs is they inspire library users to step out of their comfort zone and try new things. The library may have some library users interested in learning a bit about computer programming and since most individuals working in the library already know how to use HTML, CSS, and Javascript, they can run this program themselves and not worry about finding an instructor to teach the library users this particular skill. I believe this would be a program that would interest many different people of all different ages and would be a program that would attract many individuals to the library. The library has many different goals that they try to achieve through their different services. One of those goals being to acquire material and host new and exciting programs in order to increase their user base. I believe that a computer programming program will attract many individuals to the library and expose them to all the other great resources and programs the library has to offer.