

Innovation Report for Final  
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Write a 2-3 paragraph report stating the Use of HTML, CSS, JS, GitHub and other technologies learned in this class for innovation in Library and Information Services.

The web is a global network of internet servers which provide access to a vast network of linked hypertext (HTML) files stored on computers around the world that can provide information on a huge variety of subjects. The information can be in the form of regular text, hypertext, pictures, sounds, and other types of data. The web uses HTTPS (hypertext transfer protocol-secure) language to transmit data. Each webpage can hold not only information but also links to other webpages. (Kumari, 2016, para.4) Libraries have been able to work in a web environment with the use of technologies such as HTML, CSS and JS. (Kumari, 2016, para. 5) A definition for web based library services is services provided using the internet as the medium and the library website as a gateway with the help of integrated library management systems or ILS. (Kumari, 2016, para.6)

Libraries have been able to access more information from around the world, which then can be accessed on computers at home by library users 24/7, rather than at a physical location or during opening hours. (Kumari, 2016, para. 1) Many users also believe that the library should have free access to computers and the internet rating it as a “very important” service, just after book borrowing. (Alexandria, nd, para.3)

Library webpages use CSS and JS in addition to HTML to create a styled and engaging access point for patrons. Webpages facilitate and encourage use of library resources and keep users up to date on new services and programs. (Kumari, 2016, para.7) Web catalogues (OPAC’s or online public access catalogs) allow patrons to access any networked library online. (Kumari,

2016, para.8) Library catalogues also allow for the digital display of resources even when a resource is on loan. (Alexandria, nd, para.11) Interactive web forms using JavaScript allow patrons to fill out feedback forms for libraries: requests for certain titles, reference services or ask-a-librarian, and ILL (interlibrary loan) services. (Kumari, 2016, para.12) GitHub is a free text editor to create code for library webpages using HTML, CSS and JS. Coding programs can even be made available in makerspaces. (Alexandria, nd, para.7) All of the above examples use technologies learned in class.

## References

Alexandria. (nd). *2019 Library technology trends you should be adopting*. <https://www.goalexandria.com/2019-library-technology/>

Kumari, N. (2016, Feb.). Web-based services in library and information science. *International Journal of Next Generation Library and Technologies*, 2 (1), 1-8.  
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