

Scoping Assignment

Campus Printer Tracker

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ABSTRACT

The scope of this project is to create an application which provides a way that can display the location of every printer on the Oregon State University (OSU) campus and track them. Additionally, the application will be able to show the user which printing resources are available to them based on their status as OSU students, such as whether they are Honors students, in the College of Engineering, or are students in the College of Business to name a few. Looking at how confusing it is for OSU students, both new and current, to find places to easily print their work. This scope project will provide students with clarity on where and how to find printers that are available to them on campus. While doing this project, some of the many challenges that members of the OSU campus face when trying to print their documents can be listed below, but not limit to:

1. The printers are difficult to locate and their statuses are not publicly available.
2. Some printers are only available to certain students or faculty.
3. Resources such as free departmental printing credits are not widely known and are not well documented.

The problems that the project is tackling on is to demonstrate the difficulty of finding the printers that are located on campus that are accessed every day by staff/faculty, current/future students, and campus guests. Based on the three challenges that were listed above (more can be included), combining them into a web/mobile application, the project will help to create a more usable resource such that everyone will have an easier time locating and utilizing the printers on campus.

Even though OSU has a service known as *BeaverPrint*^[1] which allows people to view and manage their print jobs at OSU. This service is available at any computer on campus which can be logged into using an ONID and a password. The print jobs initiated by *BeaverPrint*^[1] can be released at any printer on campus by swiping the user's OSU ID at the printer. However, the documentation for *BeaverPrint*^[1] provided by OSU's information services website is sparse and only explains that printers are available at The Valley Library, Housing and Dining Service Centers, and the Memorial Union 2nd floor across from the MU Business Office. With this scope project in mind, it will help solve the aforementioned problems which are not addressed with the current printing services from OSU. The plans to integrate *BeaverPrint*^[1] with the application that will be created in this project such that all of the available information regarding printing at OSU is provided in one package targeted for each user.

#webdevelopment #OSUaffiliated #mobiledevelopment

Reference(s):

1. University, O. S. (2020, September 24). BeaverPrint. Information Services. Retrieved February 2, 2022, from <https://is.oregonstate.edu/service/beaverprint>