

Application Window Formatter



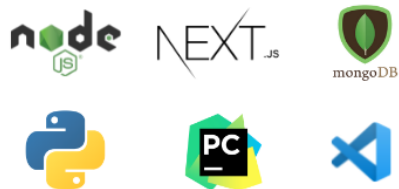
By Tony Leonard - G00372842 Course: BENG (H) in Software and Electronic Engineering

Project Summary

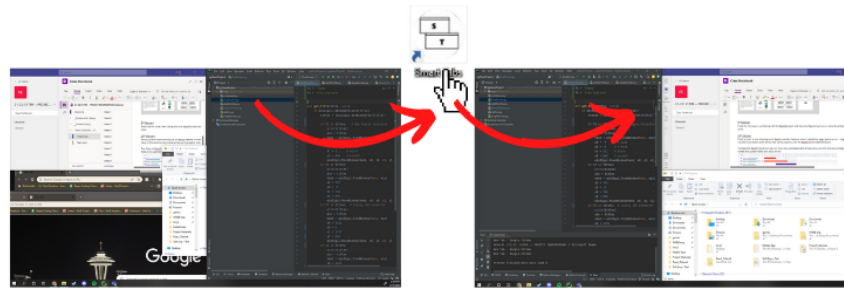
The purpose of the Smart Tabs Application Window Formatter is to allow the user to format their desktop the way they want it and allow them to view how long they are spending on their devices.

The user first clicks on a shortcut of a .bat file that runs a Python script. The Python script formats the user's specified application windows that are currently open on the desktop. The mouse tracker code is also started when you click on the shortcut and continually runs while you are using your desktop or laptop. The mouse tracker code sends user data (the data consists of how long the user has used each application) to the Mongo DB database. The user can access the Smart Tabs website hosted AWS by searching for it online. The user can access the activity chart page where they can view how long they are spending on each application. The user can also access the total activity page that has a gauge that displays the total length of time they have spent of their PC.

Technologies Used



How it Works

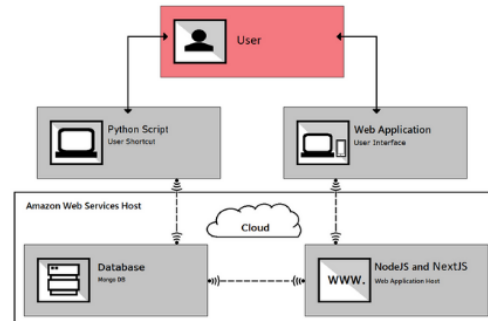


Mouse Usage Time Chart



Note: Average time spent during testing

Architecture Diagram



GitHub Repositories



Report and Misc



Python Scripts



Frontend



Backend

Conclusion

The thing I like most about this project is that I will use it again. My productivity was truly slowed down by the constant unjumbling of the many applications that were running at the same time during my work placement. This project was aimed to combat the messy desktop workspace that a lot of people encounter on a daily basis, and I think that's exactly what it does. I believe with some professional development and testing this project could be used to create a product or service that could be sold on the consumer market. This project helps boost its user's productivity and reduce the fatigue brought on by the constant popup of tabs and applications.