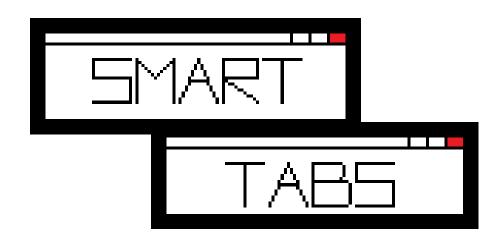


Smart Tabs Application Window Formatter



Tony Leonard – G00372842@gmit.ie BENG (H) in Software and Electronic Engineering

Project Summary

- During my work placement last year, I found myself constantly switching application windows and tabs as I could be navigating through a dozen at a time.
- This caused some frustration and I felt that there had to be an easier way to unjumble all the applications that were scattered around the desktop.
- Project consists of a Python script, frontend, backend, database, and AWS hosting.
- •The first part of the Of the Python script formats the applications on the desktop and the second part records how long you spend on the applications that you are using.
- The data from the mouse tracker is stored on the database and accessed by the frontend and the backend.



Project Poster



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.

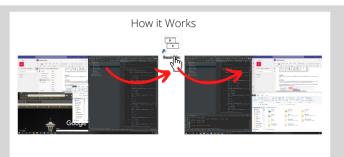
The user first clicks on a shortcut of a bat file that runs a Python script. The Python script formats the user's specified application windows that are currently open on the desktop. The mouse tracker code is also started when you click on the shortcut and continually runs while you are using your desktop 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.

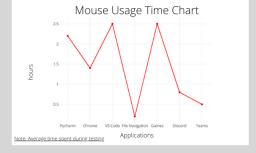












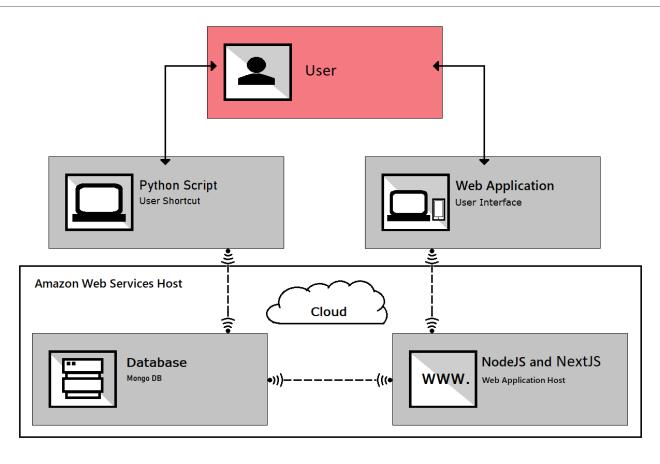
Architecture Diagram User Web Application Amazon Web Services Host Amazon Web Services Host WW.W. Model's and Next IS warming was serviced with the services and Next IS WW.W. Model's and Next IS



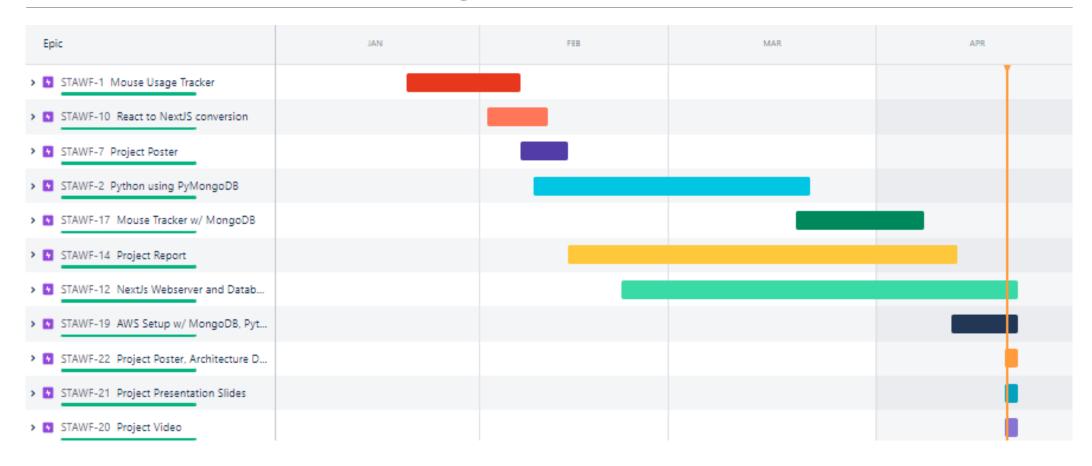
The thing I like most about this project is that I will use it again. My productivity was truly slowed down by the constant unjumbling of the many applications that were running at the same time during my work placement. This project was aimed to combat the messy desktop workspace that a lot of people 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 populo of tabs and applications.

Conclusion

Architecture Diagram



Project Planning



Conclusion

- •To conclude I really enjoyed working on this project. I am grateful to the lecturers whose modules helped me complete different aspects of the project.
- •This project delivers the vast majority of the goals I set myself to achieve. I strongly believe that the work that has gone into this project will aid me in my future endeavours.
- •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.

Any Questions?