References for Research on GitHub

Note: all research links and information can be found on the Class Notebook on OneNote.

Copied and pasted from OneNote:

Week 2:

29th September

Began research on my FYP idea.

I told my Project Engineering supervisor about my FYP idea and he gave me some links of websites to look at.

[https://www.markjour.com/docs/pywin32-docs/win32gui.html](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.markjour.com%2Fdocs%2Fpywin32-docs%2Fwin32gui.html&data=04%7C01%7CG00372842%40gmit.ie%7C11b5f13a029f465fbd7908d9832c8e8a%7C8f06cfae22d54c84a46d3dbe3c93558d%7C0%7C0%7C637685049660755851%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=sPraFjZbVp7eC0PVkX4tK%2FTpHbUkCzawiyv4W%2F8yzAw%3D&reserved=0)

[https://www.markjour.com/docs/pywin32-docs/win32gui\_\_SetWindowPos\_meth.html](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.markjour.com%2Fdocs%2Fpywin32-docs%2Fwin32gui__SetWindowPos_meth.html&data=04%7C01%7CG00372842%40gmit.ie%7C11b5f13a029f465fbd7908d9832c8e8a%7C8f06cfae22d54c84a46d3dbe3c93558d%7C0%7C0%7C637685049660765808%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=J91thyvnpuEJCdcWRjx8p%2BK2AxbZo5E%2Fr13RphzQepw%3D&reserved=0)

[https://dev.to/tkkhhaarree/track-windows-app-usage-time-using-python-h9h](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdev.to%2Ftkkhhaarree%2Ftrack-windows-app-usage-time-using-python-h9h&data=04%7C01%7CG00372842%40gmit.ie%7C11b5f13a029f465fbd7908d9832c8e8a%7C8f06cfae22d54c84a46d3dbe3c93558d%7C0%7C0%7C637685049660765808%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=oeBk6mHRhBCaiJzKh6LytFGOtn45RdkJFpghIib6zvg%3D&reserved=0)

3rd October

Continued to research the win32gui SetWindowPos:

<https://programtalk.com/python-examples/win32gui.SetWindowPos/>

<https://stackoverflow.com/questions/3678966/how-can-i-ensure-that-the-application-windows-is-always-on-top>

<https://carldesouza.com/win32api-setwindowpos-example/>

<https://www.py4u.net/discuss/13712>

Week 3:

4th October

This week I started my project proposal. Currently writing up the project description. The name I have chosen for my project is Application Window Formatter.

Spoke with my Project supervisor about a problem I was encountering with the Python versions I was using and he gave me a link that might solve the problem.

<https://stackoverflow.com/questions/65001585/import-win32gui-as-wn-in-python-3-9>

Week 6:

29th October

Researched different methods-instead of SetPosition and found MoveWindow.

<https://stackoverflow.com/questions/51694887/win32gui-movewindow-not-aligned-with-left-edge-of-screen>

Week 9:

19th November

Created Team video but all other team members were busy with other obligations, added different positions to Python code. Researched Victory Charts for react JS:

<https://formidable.com/open-source/victory/docs>

Week 12:

12th December

Researched Plotly Charts instead of chart JS and watched tutorials:

<https://www.youtube.com/watch?v=XTbkvgspBQc>

<https://plotly.com/javascript/react/#introduction>

Week 13:

13th December

Implemented a Plotly Line chart into my frontend with example values.  I don't have a Python script for sending data to a database yet, so the chart is only a display piece at the moment.

Put a border box around the chart and created a CSS file for it as well, researched border boxes here:

<https://developer.mozilla.org/en-US/docs/Web/CSS/box-sizing>

15th December

Researched and started creating a login and registration page. Only the frontend as I have not setup my database yet. I watched this tutorial for help: [How to Build a Login & Sign Up Form with HTML, CSS & JavaScript - Web Development Tutorial](https://www.youtube.com/watch?v=3GsKEtBcGTk)

16th December

Re watched the react crash course video we covered in cloud computing and added a navigation to the login, registration and activity graph pages. Video: [React Crash Course for Beginners 2021 - Learn ReactJS from Scratch in this 100% Free Tutorial!](https://www.youtube.com/watch?v=Dorf8i6lCuk)

GitHub Links for Repos:

Python Code: This project contains Python code that I have created or used for my Final Year Project.

<https://github.com/TonyGMIT/FYP-Python>

Front and back end: This repo is for the frontend, backend, and the database parts of my Final Year Project.

<https://github.com/TonyGMIT/FYP-Front-Back-end>

Research and miscellaneous: This repo contains research links, architecture diagrams, reports and all miscellaneous documents about my final year project.

<https://github.com/TonyGMIT/FYP-Research-Misc>