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://www.markjour.com/docs/pywin32-docs/win32gui__SetWindowPos_meth.html
https://dev.to/tkkhhaarree/track-windows-app-usage-time-using-python-h9h

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

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!

19th December
Made the login page a new login page and added a new home page with a brief description and gif of my Python code. Generated the gif using:
https://ezgif.com/

Week 1 Semester 2:

22nd of January
After researching the best way to start the mouse tracker code I have decided to change the code I have as a placeholder which the source code can be found on this blog
article https://dev.to/tkkhhaarree/track-windows-app-usage-time-using-python-h9h.
The article states that you may tinker around with the code if you want and it can be seen at the end of the article.

Week 4:

7th February

Poster progress, using https://www.canva.com

Week 5:

16th February

In the project lab on Wednesday, I was researching a Python Request Library and started looking at a tutorial on it: https://www.dataquest.io/blog/python-api-tutorial/

Week 6:

21st February

After watching this tutorial: https://www.youtube.com/watch?v=H4Z5ya3ymYM I created a Python script that successfully connects to the mongo database and sends dummy values that contain strings, ints and doubles.

Week 7:

3rd March
Started watching the node JS tutorial that my project supervisor recommended. Started creating my nodeJS backend as well.

Link to Node JS Basics Tutorial:
Node.js - Tutorial - Introduction

Week 10:

21st March
Started working on the Login and register backend configuration. Watched NodeJS tutorial:
Node.js Passport Login System Tutorial

Easter Week 1:

12th April

I used this tutorial to help me get MongoDB on AWS: https://www.geeksforgeeks.org/how-to-install-mongodb-on-aws-ec2-instance/

Easter Week 2:

19th April

I used a gauge library from; https://www.npmjs.com/package/react-gauge-chart

QR Code creator: https://www.qrcode-monkey.com/#

Reference links from Project Report:

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[3] *PyCharm: the Python IDE for Professional Developers by JetBrains*. (n.d.). Retrieved March 27, 2022, from https://www.jetbrains.com/pycharm/

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[5] *React – A JavaScript library for building user interfaces*. (n.d.). Retrieved March 27, 2022, from https://reactjs.org/

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[9] *Cloud Computing Services - Amazon Web Services (AWS)*. (n.d.). Retrieved March 27, 2022, from https://aws.amazon.com/?nc2=h_lg

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[12] *psutil · PyPI*. (n.d.). Retrieved April 8, 2022, from https://pypi.org/project/psutil/

[13] *time — Time access and conversions — Python 3.10.4 documentation*. (n.d.). Retrieved April 8, 2022, from https://docs.python.org/3/library/time.html

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[16] *react-gauge-chart - npm*. (n.d.). Retrieved April 19, 2022, from https://www.npmjs.com/package/react-gauge-chart

[17] *Search | Mendeley*. (n.d.). Retrieved April 20, 2022, from https://www.mendeley.com/search/