Individual Project Report

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| Your Name: | Wen Cheng |
| Certificate: | Graduate Certificate in Intelligent Software Agent |

# 1. Your personal contribution to the project.

* Developed the TagUI script to automate the data scraping from the website and append to the training dataset.
* Developed the ML model with Polynomial Linear Regression for Demand/USEP prediction
* Integrated Python component with Power BI
* Documentations: Installation guide for Python/Project report for data modelling/Video editing/Git Repo

# 2. What you have learnt from the project.

I learnt quite a lot from this practice module by really applying what we have learnt in the courses in this project. Especially on the TagUI which I found very powerful and rather simple to use, I have got a deeper understanding of XPath and this tool can really be used in my daily work for some automated web testing as well as for my personal projects.

Other than TagUI, from my project members, I also learnt a lot on the Power Automate and Power Query from Microsoft. These are also good RPA tools that are capable of achieving many complex tasks compared to UIPath as they are able to integrate with many other technologies like Python which makes it more powerful and expandable.

# 3. How you can apply this in future work-related projects.

I am currently working as a full stack developer, the RPA techniques taught in the course will definitely help me with tasks like automated web testing or data extraction from different sources, I think RPA is really useful and can be applied in many areas.