Student: Ricky Yu Qi Yao(S3896813)

GitHub Public Repository URL:

<https://github.com/RickyYuQi/RickyYuQi-COSC1078-Assignment1.git>

GitHub Pages URL:

<https://rickyyuqi.github.io/RickyYuQi-COSC1078-Assignment1/>

Page names:

* Personal-Information.html
* My-Personality.html
* Project-Idea.html

**MY PROFILE**

**Personal Information**

My name is Ricky Yu Qi (Ricky) Yao, I graduated from East Doncaster Secondary College and am now a first-year university student undergoing study for the Bachelor of Information Technology at RMIT University. I am an Australian born in Melbourne, Victoria coming from an Asian (Chinese) background. I enjoy playing video games and listening to music, my favourite past-time used to be overfeeding my pet fish “Ninja” until he died from over-eating.

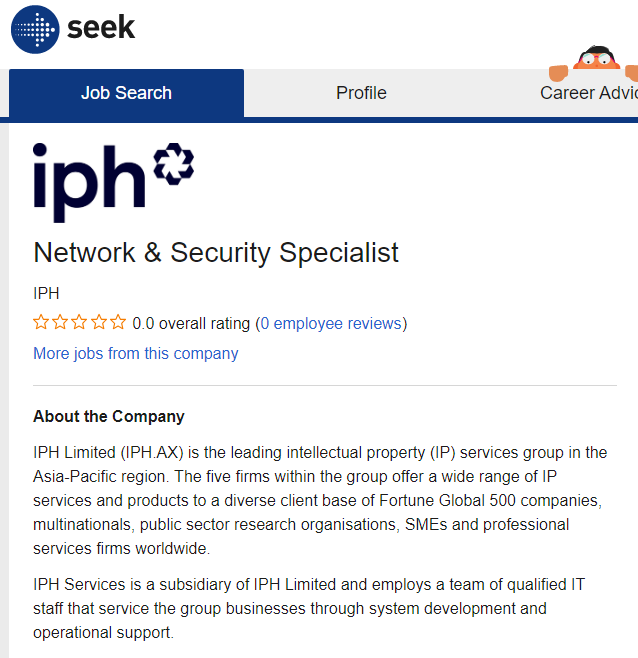
**Interests in IT**

My interests towards the field of Information Technology came around when I was given knowledge on the fields job security and stability within the career market. My ideals in life have always been to achieve a steady job and stable income in order to live a smooth and comfortable life. During my time spent studying at RMIT, I expect to gain proficient and/or excellent IT capabilities to enter the workforce. This includes knowledge of network architecture and/or cybersecurity. My final decision towards ultimately RMIT as my desired university to complete my education is because of its acquired name towards the field in technology and its campus (city) structure and naming conventions of the buildings piqued my interest.

**Ideal Job**

Computer network architect

<https://www.seek.com.au/job/51780705?type=promoted#searchRequestToken=669a2576-d280-405e-a6ac-de47705ba246>

The position of network and security specialist appeals to me due to its high stability and income within the work force. This occupation requires qualifications within the fields of network architecture and cybersecurity, with essential tasks such that of managing network infrastructures, analysis of security infrastructures and technical support. As of this moment, I have only recently entered the technology sector having enter this course last year with little to no experience in this field yet. I plan to further this course and perhaps obtain other degrees to gain the correct qualifications in order to apply to a job like this one.

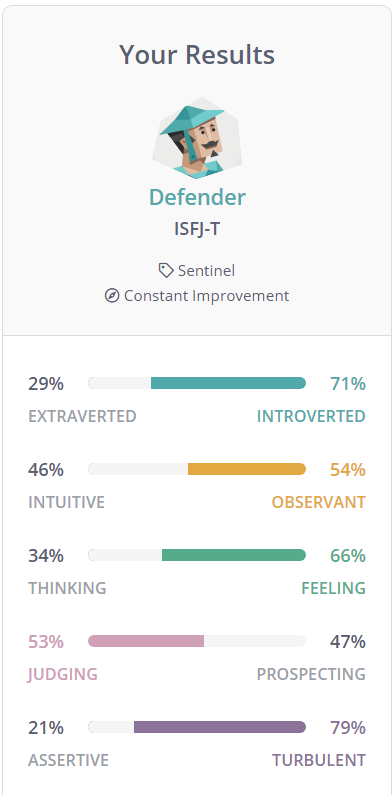
**Personal Profile**

[100% Free Online Personality Test | Take The Test Now | Personality Perfect | Discover the real YOU](https://www.personalityperfect.com/)

Being represented as a ‘INFP’, I can perform tasks at hand self-sufficiently without the guidance or aid of others. The ability to work alone can be reliable as I do not require many others to produce a reasonably usable result. However, when placed within a team scenario my communication and competence levels may differ.

[Free personality test, type descriptions, relationship and career advice | 16Personalities](https://www.16personalities.com/)

Being represented as an ISFJ-T by the Myer-Briggs 16 personality test, it presents my character as one which seeks constant improvement. As a result, I can competently seek for errors within systems with ideas on what and how to improve/resolve any issue. Within a team environment, I will be capable of assisting my team mostly in assessing the final components of the project, looking for potential issues and problems within the final solution, looking for methods and techniques which could improve the quality of the project.

****<http://www.educationplanner.org/students/self-assessments/learning-styles-quiz.shtml>

You are an **Auditory/Visual** learner

**Your scores:**

* Auditory: 35%
* Visual: 35%
* Tactile: 30%

Using an online learning test, I have learnt that I am an Auditory/Visual learner meaning I learn best by heading and listening rather than “doing”. As a result, I can learn most efficiently through an online environment where a tactile learner may fall. Within a team scenario, I will be able to learn and apply techniques easily online if online campus is somehow compromised due to another COVID-19 style outbreak.

**Project**

[Overview]

For my project idea I am thinking of creating a quality-of-life improvement application, allowing ease of use for users. The following project I will attempt to create a file management system, capable of automatically sort files stored/created within a system via their name, file type, content stored, and date accessed/modified. This mini program will be able to automatically sort/name and version control files after they have been saved, creating and organising folders in which the files can be stored within. This will allow for the easier navigation of files for the user for future access/reference, and autonomous sorting will free the user from any organisational tasks.

[Motivation]

My interest and desire for creating a system/product such as this is for disorganised people such as myself, who often find themselves misplacing documents and/or losing documents due to their insufficient ability to properly name files or folders. By creating an application like this, people will be able to bypass this stage in file creation allowing people to locate files with ease via an automated naming system allowing the user to access their desired files with ease. I am sure many people, myself alike, have been wanting a little widget which can perform little tasks such as this to improve their quality of life when completing daily tasks in the office.

[Description]

The designed program will be ideally a little widget/extension which can be applied to a user’s desktop, which can be access whenever they would like. The program will be having the following features attached to the application:

* Version control. The program will be able to detect what type of file the document is, which format which it is written in and what application is was last utilised in. By comparing the selected file/file ranged with the existing database, it program will rename/delete duplicates keeping track of which files are updating and removing repeated files reducing data redundancy.
* Folder creation and file reallocation. Scanning the files within a selected range within a storage system, the program will be able to stockpile all ‘like’ files and reallocate them into a central folder based on the file name. If a folder for the allocated documents does not exist, it will create one.
* Document management. As a file orientated program, it will allow the user to mass-edit large portions of documents within their storage system. Such that of a file explorer, it will present all available documents to the user however will preview only documents exclusively excluding other applications/executables. Consequentially, file searches will be performed at much faster rates than the native file explorer.

[Tools and Technologies]

For the project, the creators will require software which have the correct level of authorisation to edit files within the hosts computer system, in order to move and reallocation position of the files. This is essential as some programs do not have high security access towards a computer, thus making editing for version control and file rearrangement an impossible task. An application also capable of writing macros and executing them is essential, as it will allow us to complete certain actions when a certain condition is met, or an action is performed. Other user interface tools can be used to edit the layout and be utilised to better improve the users experience and navigation whilst using the widget.

[Skills Required]

In order to complete a program like this, the designers will have to have acquired adequate abilities in creating macros capable of renaming and relocating. In terms of difficulty and required skills and capabilities from the creators, the project will be relatively simple. It will not be necessary to own any special hardware or ownership of any exclusive software to create. Within a group environment, the team will need teamwork and high communication skills, this is as many major components as possible/ steps in this program during the creation process will be highly reliant/dependent on each individual pieces. Individual participants will be expected to complete their assigned tasks in a timely fashion, maintaining up to speed with their teammates acting with initiative without being dependent on the leader(s).

[Outcome]

Once the project has been completed the program will ideally be presented as a small widget which users will be able to use to sort their files and rename under their specified conventions through a click of just a few buttons. The issue of a cluttered UI filled with files used/unused will be sorted and named depending on their date or creation. Duplicated files will be version controlled and/or purged to reduce redundancy. Users will now be able to browse through their files with ease, having everything been correctly filed and placed within their related folders.