

Assignment 2 The IT World - Team 37

COSC1078 – Introduction to Information Technology

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| s3718266 – Amy Thompson s3718706 – Esther Hoang s3661949 – Jonathan Keusgen s3724958 – James Robertson |  |  |  |  |

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# Team 37

## Personal Information

**Amy - s3718266**   
I am Australian but love to travel and one of my favourite things to do is to go snowboarding. Since a young age I've wanted to study in the STEM fields. Throughout my secondary education, my passion for science and the prospect of learning the foundations of the future have inspired me to take my education further. During year 12 I studied computing: informatics. I would also say I have a keen interest in design and creating: applications, websites and artworks. In the future I would like to work with both the skills of logic and creativity. I do not have any previous IT job experience.

**Esther - s3718706**  
I was born in Australia to Vietnamese immigrant parents. My hobbies include making watercolour art and watching YouTube videos of derpy animals. I studied Computing Informatics for VCE. I'm interested in the UI/UX design and research industry. I have no IT related job experiences.

**Jonathan - s3661949**  
I'm Australian, but my dad was born in Germany and my mum in New Zealand. I play basketball, video games and read. I'm interested in System Administration, Data Analytics and Software Development. I worked in the IT department at McKinnon Secondary College as an Intern in 2017. I also studied some IT subjects at secondary school.

**James - s3724958**   
I'm Australian, my mother is Filipino, and my father is English. My hobbies are health, fitness and drinking wine. I'm interested in cryptocurrency, data analysis & mining, cloud computing and app / web design. I've had exposure to multiple fields of IT through previous studies and freelance work, ranging from programming, databases, web development and web design.

## Team Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Myer-Briggs Test** | Amy | Esther | Jonathan | James |
| **Result:** | ENTJ  “Commander” | INFP  “Mediator” | INTJ  “Architect” | ESTJ  “Executive” |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Learning Styles Test** | Amy | Esther | Jonathan | James |
| **Result:** | Auditory | Visual | Visual | Visual |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Third Test** | Amy  (Coping & Stress) | Esther  (Big 5 Personality) | Jonathan  (IQ) | James  (Creativity Score) |
| **Result:** | 86% Problem Focused  Vs  14% Emotion Focused | Open Mindedness = 64%  Conscientiousness = 21%  Extraversion = 14%  Agreeable = 73%  Negative Emotion  = 61% | >125 | 66.43% |

**Reflection**

As a group we understand that all this information is valuable insight into how we should work together as a team. Expanding on communicating with each other it helps us understand our individual personalities and how we learn best. We have also used this information to divide roles to the individuals in the group and discussed the best ways for us to collaborate to complete this assignment.

## Ideal Jobs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Career Aspect | Amy Scrum Master / Agile Project Manager | Esther UX Researcher | Jonathan DevOps Engineer | James Cloud Consultant |
| Location | South East Suburbs | Melbourne CBD | Melbourne CBD | Sydney CBD |
| Flexibility | Flexible 4-day work week |  | 5-day weekends off | 5-day work week |
| Work Variety | Management in all areas |  | All stages of development and deployment of an application | Different clientele, multiple solutions possible |
| Creativity | High | Medium – High? | Medium - High | Medium - High |
| Travel Prospects | Agreeable |  | Would like to travel for work | Domestic and International travel, working with multiple clients abroad and inside the office |

**Reflection**

Our groups ideal jobs did not differ from Assignment 1. The common elements are the creativity and work variety. Our ideal jobs all involve working on / with projects and clients where the solution will not always be the same. We all agreed that this diversity of problem solving was a great luring point towards those job paths. The most notable difference are the travel prospects. After discussion, we found that our potential work environments were the greatest contributor to the difference. For example, Amy’s job is going to require her to work closely with the team inside the office, potential for outside meetings here and there with the team, stakeholders and clients. Whereas James’s job has a higher potential of travel as he works closely with multiple clients, stakeholders and business’s outside of the office.

< How similar or different are our career plans across the group > ??

# Tools

**Group Website:**[team37.s3-website-ap-southeast-2.amazonaws.com](http://team37.s3-website-ap-southeast-2.amazonaws.com)

**Git Repository:**github.com/S3661949/Team-37

**Reflection**

<Comments on how well the audit trail on the git reflects group work>

# Industry Data

**Job Titles**

|  |  |  |
| --- | --- | --- |
| Ideal Job | Closest Job Title | Rank |
| Project Manager |  |  |
| UX Researcher |  |  |
| DevOps Engineer |  |  |
| Cloud Consultant | Technical Consultant | 56 |

|  |  |
| --- | --- |
| IT-Specific Skills | Rank |
| SQL | 1 |
| JavaScript | 2 |
| Java | 3 |
| Microsoft Windows | 4 |
| Project Management | 5 |
| Business Analysis | 9 |
| Linux | 13 |
| Python | 22 |
| Scrum | 23 |
| Hardware Knowledge | 31 |

**Team 37 required skill set:**

|  |  |
| --- | --- |
| General Skills | Rank |
| Communication | 1 |
| Problem Solving | 2 |
| Organisational Skills | 3 |
| Team Work | 5 |
| Planning | 7 |
| Creativity | 9 |
| Leadership | 11 |
| Time Management | 12 |
| Management | 19 |
| Multi-Tasking | 20 |

**Three highest ranked general skills not required:**

* Writing – Rank 4
* Troubleshooting – Rank 6
* Detail-Orientated – Rank 8

**Three highest ranked IT-Specific skills not required:**

* SAP – Rank 6
* Business Management – Rank 7
* Graphic Design – Rank 11

**Reflection**

As a group we agreed that our opinions on our ideal job had not changed. We all had a general idea of how our job titles would rank in the industry and understood that these rankings are sure to change by the time we finished our degrees, and so could our ideal jobs.

<Do we need to add more to this reflection?>

# IT Work

<loremipsum>

# IT Technologies

## Raspberry Pis, Arduinos, Makey Makeys, etc.

<loremipsum>

## Machine Learning

<loremipsum>

## Cloud, Services, Servers

<loremipsum>

## Blockchain and Cryptocurrencies

<loremipsum>

# Project Ideas

The project the group has chosen is a School administration product that is delivered online. It would be used for a multitude of things, such as

* Taking attendance
* Reporting
* Payment from parents
* Consent from parents
* Announcements
* Event planning
* Displaying timetables
* Etc.

In addition to the online portal, we also wanted to have a mobile application (iOS & Android) to streamline simple tasks and create more convenience. These tasks could be things such as taking attendance on excursions or parents paying fees and signing consent forms.

The service will provide many features so that all school administration tasks can be completed within the single application. Focusing on efficient workflow so more tasks can be completed with minimal time and effort, allowing school administrators to focus on higher priority matters.

It will also provide a way for teachers or other administrators to mark attendance, through a simple drop box. Students will also be able to view their own timetable, displaying subject, teacher and room location. Teachers and administrators will be able to create announcements in the service that can be directed to a specific class, year level, subject faculty, parents or the entire school. There will also be a reporting section for school staff members, allowing them to comment on a student’s progress, give grades and this information will be shared with parents and teachers. Expanding on this there will be a feature for parents to book parent / teacher interviews, only displaying time slots that are available to avoid confusion. The recap of what was discussed in the interview will also be available for viewing.

School staff will have access to another layer of tools, this would include things such as the ability to book a classroom for a lesson, set tasks for completion, or write notes for another teacher covering their class. It will also include the ability to create notes on individual students, whether it is regarding an allergy, learning disability or other sensitive situations. They will also have access to budgeting and purchase orders on the service. Included in this, will also be the ability to print a pdf of the purchase order, email the order to a creditor, submit the order for approval or if the appropriate permissions were granted, approving a purchase order. This will all be dynamically tracked in the budgeting section of the service, which will display how much of the budget has been spent, what is remaining and viewing the information per week, month or per creditor.

The mobile applications that are available will allow for tasks that might be prone to error in handling of the information or tasks that will be tedious to instead be completed within the mobile app, efficiently and without error. As previously mentioned it will include taking attendance on excursions, parents check announcements or booking parent / teacher interviews, or students looking up their timetable to see what classroom they are in, what subjects for the day or requirements for special materials for classes.

Tobecontinued…

# Group Reflection

<loremipsum>