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**The IT World**

**Assignment 2**

**Report**

Ryan Iem, Peter Zambellakis, Wenjie Fan,

Shieerl Kaemmer, Nicholas Jamou

**Team Profile**

**Team name:** We Forgot

**Personal information**

My name is Ryan Iem and my student number is s3700995. I’m of Cambodian descent but I was born in Australia. I’m a first-year university student straight out of high school and my hobbies include listening to music, playing video games and reading novels. I’m very interested in programming and cyber-security and the only IT experience I have is IT class in high school. I’ve always had an interest in IT since I was a child and it’s lead me to here! For my Myers-Briggs test I found out I’m an ENFP (Campaigner) and from my learning style test I found out I’m more of a Visual learner than anything else. Lastly, for my Big Five Personality test I scored O: 85%, C: 54%, E: 71%, A: 81% and N: 33%.

My name is Shieerl Kaemmer and my student number is s3728115. I was born in Indonesia. My hobbies are travelling and listening to music. I am currently taking IT in RMIT and i am interested in programming. The IT experiences i have is from High school and foundation year which focused on HTML, SQL in Access and python. I’ve always had an interest in IT since grade 10. I found out i am a ISFJ (defender) when i took the Myers-Briggs test. For learning style test, it stated that i am a logical & social learner and lastly my big five personality test results are O: 37.5%, C: 65%, E: 25%, A: 87.5% & N: 67%.

My name is Nicholas Jamou, student number s3783740. I graduated highschool in 2017 at Hume Central Secondary College and have an Assyrian background. I hobbies include listening to music and watching tv shows, My main interest in IT would be programming as i love watching a project be built, functional and solving problems. I don't have any professional IT experience however i did do 3 years of IT in high school mainly consisting of multimedia work and website building. My personality quiz result gave me “Virtuosso” someone who is highly skilled in music or just art in general, with my learning style quiz i received “auditory learner” meaning i learn through listening rather than doing. Finally my behavioural quiz i received “controller” someone that takes leadership in group situations and delegates tasks.

My name is Peter Zambellakis, student number s3769995, a recent high school graduate with only an Australian background. My hobbies include travelling/ exploring, playing football and going for walks. I am currently a first year student at the RMIT university studying Computer Studies in the hopes to develop and broaden my computer skills. My I.T interests revolve primarily around Programming and website development at the moment however my skills and experience surrounding these fields are limited. My Myers-Briggs test results returned with a commander personality type referencing me to the likes of steve jobs and other napoleon. My online learning style test came back with equal levels for each of the learning styles except with tactile that had a 10 percent increase in learning efficiency. My Big five personality test also came up with the results that i have an inclination to speak my mind openly and can efficiently convey my ideas and thoughts about topics, the results also showed an openness and understanding of other people’s point of views.

My name is Wenjie Fan, student number s3649505. Graduated in 2017 at Shanxi Modern Bilingual School and only have a Chinese background. I enjoying playing computer games, listening to music and play the guitar. This is my first year to study in RMIT as an IT student, I interested in creating games and programmes, especially the period that typing the code and run it successfully. However, I have not gone through any IT experiences before, so I am a new fresh fish to this course, I got to study a lot to achieve what I want. The result of the Myers-Briggs test shows that I am a “Defender” person.I am a truly altruists which means I will try my best to treat others as kind as I can and win their trust. The result of the learning style test presents that I’m a “Visual” learner. I always combine things with a picture to help memorize and learn it. I got 54 on extroversion, 62 on emotional stability, 71 on agreeableness, 76 on conscientiousness, 3 on intellect/imagination from Big five personality.

**Team Profile**

Our group consists of an ENFP (Campaigner), two ISFJ-Ts (Defenders), an ISTP-A (Virtuoso) and an ENTJ (Commander).

Ryan (ENFP): I believe the results from my tests will be useful for my group when it comes to handing out workloads and determining what I should work on. I like to be creative and open to anything in my work so I think if I worked on designs or possible even some coding aspects of our group work then I would perform best. Alongside this, because I am a visual learner, I think it would be better if I got my instructions through a way other than telling me face to face.

Nicholas (ISTP-A, Virtuoso): The results from the 16personalities test describes me as someone who loves to explore and “examine the world around them”. My personality would benefit the team because virtuosos enjoy hearing other ideas and don't like when everyone agrees with each other, which would spark discussion of ideas and design choices.

Shieerl (ISFJ-T, Defender): The results from this test show that i like to give attention to small details & have analytical ability. I believe that it is useful when it comes to group assignment like this as i will pay attention to the detail that my other team members might have forgot to add and analyze the works.

Peter Zambellakis:

Commander ENTJ-

These results for me show that I have a willingness or at the very least a capability to take control of a situation and organise or orient myself efficiently in a way that I believe to be efficient. In a group setting this would indicate that I may attempt to organise and lead the team to reach our set goals. Based on these results, it indicates that I should be okay in most group leadership roles however in a position with bad leadership and bad management I may appear to rebel against the leader as I cannot stand for inefficient management.

Wenjie Fan (Oliver)

ISFJ-A / ISFJ-T

The results from the feedback show that I will try my best to finish my work on time as hard as I can, but I am a little procrastinating. So I will not let my partners down and also I am a person who has a strong responsibility.

**Ideal Jobs**

Ryan: Javascript developer in Japan

Peter: Travelling freelancer

Shieerl: Application developer

Nicholas: Programmer

Wenjie Fan (Oliver): Unity developer.

The main similarity between our jobs is that we all want to work in IT but the major difference between our jobs is where we want to work. Most of us don’t mind working in Australia but some of us want to either work in another country or be able to travel and work at the same time. Alongside this, some of us would prefer to work with computers (Javascript developer, Programmer) whilst some of us would instead like to work with devices instead (Application developer).

**Tools**

**Industry Data**

**What are the job titles for your group’s ideal jobs?**

Java Developer, Application Developer, Programmer, Freelancer and Unity Developer.

**How do each of these rank in terms of demand from employers?**

Java Developer (713 listings according to the Burning Glass data)

Application Developer (92 listings according to the Burning Glass data)

Programmer (0 listings according to the Burning Glass data)

Freelancer (0 listings according to the Burning Glass data)

Unity Developer (0 listings according to the Burning Glass data)

Some of our job listings had 0 listings only because they were generalised or because they were in a different area of IT than what the data referred to. Going off other job-hunting websites (such as seek, indeed, etc.) we found that these jobs are definitely in demand.

**From your group’s ideal jobs, you can identify a set of skills required for these jobs. These can be divided into general skills (communication, problem solving, etc.) and IT-specific skills (Javascript, SQL, etc.)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Java Developer** | **Application Developer** | **Programmer** | **Freelancer** | **Unity Developer** |
| * Experience with JAVA programming language * Experience with web-based technologies * Experience with SQL programming language * Experiencing with Spring MVC Framework * Good communication skills * Good problem-solving skills * Ability to work independently or as part of a team * Genuine passion for developing applications/developing * Ability to demonstrate technology to technical and non-technical audiences |  Experience with advanced HTML5/JavaScript knowledge (web-based technologies)   Experience with Node JS   Mobile application development experience   Experience in professional environments   Strong passion for technology   Great communication skills   Good problem-solving skills   Ability to work independently or as part of a team   Ability to demonstrate technology to technical and non-technical audiences   Exceptional presentation and interpersonal skills |  Basic experience in various programming languages   Basic experience with web-based technologies   Experience in professional environments   Good passion for technology   Good communication skills   Good problem-solving skills   Ability to work independently or as part of a team   Ability to demonstrate technology to technical and non-technical audiences |  Good experience with all types of programming languages   Experience with many web-based technologies   Good passion for technology   Good problem-solving skills   Ability to work independently or as part of a team   Ability to demonstrate technology to technical and non-technical audiences   Excellent communication skills   Exceptional presentation and interpersonal skills |  Knowledge of C# with strong coding capabilities   Experience with GPU programming/shader programming   Experience in cross-platform development   Understanding of game design principles and player experience   Ability to work in a team and develop reusable commented code   Ability to demonstrate technology to mainly technical audiences   Strong communication skills   Strong presentation and interpersonal skills   Passion for focused game design/innovative ideas   Good problem-solving skills |

**How do the IT-specific skills in your required skill set rank in terms of demand from employers?**

Freelancer: 1st because being a freelancer requires knowledge in various types of I.T. related things. A lot of knowledge in IT will be required to be a super successful freelancer. This can range from Java to C++ to even HTML5. Technically, they will be in demand the most due to being able to work with any type of language.

Java Developer: 2nd because being a Java Developer only requires knowledge in mainly Java related things. According to the Burning Glass data, they are in high demand.

Programmer: Tied for 3rd because being an all-round Programmer requires knowledge in various programming languages such as Java, C++, etc.

Application Developer: 4th because being an all-round Application Developer requires knowledge in types of Javascript related things as well as having application development experience (possibly game engines for mobiles, etc.)

Unity Developer: Tied for 4th because being a Unity-specific Developer requires knowledge with the Unity game engine, knowledge of C# (Unity 3D) as well as experience with GPU programming/shaders and such.

**How do the general skills in your required skill set rank in terms of demand from employers?**

Java Developer: Tied for 3rd because although we’ll be making programs for users, there isn’t much interaction between the programmer themselves and the user. It’s all behind-the-scenes work and this means that generalised skills won’t be required so much. Skills such as presenting, communication and presentation will be required though.

Application Developer: Tied for 2nd because we thought that Application Developers will be interacting with people more than Programmers or even a Java Developer. We thought this because mobile applications are catered wholly for people and you’d need to be on a good-basis with your users to make the most of your app.

Programmer: Tied for 3rd because although we’ll be making programs for users, there isn’t much interaction between the programmer themselves and the user. It’s all behind-the-scenes work and this means that generalised skills won’t be required so much. Skills such as presenting, communication and presentation will also be required.

Freelancer: 1st because Freelancers will be interacting with people the most and we believe that this will mean they need the most generalised skills.

Unity Developer: Tied for 2nd because much like being an Application Developer, Unity applications will be developed for people and you would need to be knowledgeable with your userbase to make the most of what you develop.

**What are the three highest ranked IT-specific skills which are not in your required skill set?**

Java developer: Networks, negotiation and building relationships

Application developer: SAP, business management and building relationships

Programmer: SAP, business management and building relationships

Freelancer: SAP, business management and building relationships

Unity developer: SAP, business management and building relationships

**What are the three highest ranked general skills which are not in your required skill set?**

Java developer: Time management, teamwork, willingness to learn

Application developer: Leadership, time management and mentoring

Programmer: Research

Freelancer:

Unity developer: Communication, initiative and enterprise.

**Having looked at the Burning Glass data, has your opinion of your ideal job changed? Why or why not?**

Ryan: Even after looking at the Burning Glass data, no, my opinion of my ideal job has not changed. I would still like to work as a Javascript developer because it’s an extremely ideal job for me. Also, the job listing that I found was for a position in Japan and I’d be happy with most IT jobs as long as I’m in Japan (although working in an area I have knowledge in such as Java would be preferable). It’s reassuring to know that Javascript developers are pretty high in demand too.

Shieerl: No, it did not change after looking through the Burning glass data. I am still very interested in becoming an application developer and I believe that there will be more opportunities provided for an application developer in the future as more people

Peter: After careful examination of the Burning glass data for top jobs and skills, my ideal job of becoming a freelancer in the world of I.T has not changed. Judging from the statistics given, there are still a substantial quantity of jobs available for a large variety of skills that will be incorporated into my journey of being a freelancer. For example, the skills SQL and JavaScript alone in 2018 has had a combined posting of 6,516, skills that will be needed in the chosen job. As for job titles, the statistics are equally appealing with jobs such as systems engineer, java developer, network engineer and web developers all racking up a grand total of 2,546 postings available. If these statistics are anything to go by, the prospects of freelancing between these skills and jobs seems a viable future opportunity, given the right previous experiences and learnings.

Overall, our ideal jobs are pretty well-rounded. We have mainly computer-based jobs (Java Developer, Programmer, Freelancer), a mobile-based job (Application Developer) and a computer + mobile-based job (Unity Developer). With all of this this in mind, our project idea looks like a much more straightforward task as our group consists of many types of people with all types of skills. Alongside this, we can all contribute to our project idea (which is an app) because we all have an interest in an area of IT that usually works with apps anyway. It’s really good that we all have a big common interest in IT itself with most of us being really interested in different types of programming languages. This means that we’ll all be willing to jump into the unknown and even learn a bit of programming and other app-development related things for when it comes to making our group app.

**IT Work**

**Name:** Chan

**Please tell us about your IT work. What exactly do you do?** Because it’s a medium-sized law firm, the IT team is very small. I do, on a daily basis, like support stuff and also creating systems accounts, updating the website and also system admin, like user/exchange accounts. Do any troubleshooting like if emails aren’t working and stuff. Also, we configure a lot of iphones and ipads. A lot of the firms are using them now so we have to set them up as well as contact our vendors about their products or if we can’t resolve a problem. We specialise using in-house software like iManage which manages anything (court cases, filing). We set up wifi stuff too.

**Please tell us about the industry you work in**. It’s interesting. Being a law firm, we mainly specialize with law software. Because they're all becoming paperless, it’s about efficiency. Everything needs to be stored on file. I guess it’s mainly law stuff focused on your clients (such as lawyers).

**What other kinds of work do you have to do? Like non IT work?** We also setup audio stuff for our rooftop functions, helping the electricians set up speakers. Heaps of non-it stuff. Also, being at a law firm, there’s not a lot of handy guys. We IT guys get heaps of beers and drinks whenever there’s an event. That’s about it.

**Who are all the different people you interact with in your work? Please tell us about them.** There’s two sides. Legal staff (so like lawyers, solicitors and senior associates). The other side is the support staff (admin people, the accounts team, photocopy team as well as legal assistants)

**Please tell us about your interactions with other IT professionals.** We talk to third-party vendors a lot. They update us on the product we use by them such as iManage. Any updates they tell us about because all our work is based around that system. You’ve got outlook and iManage, that’s the main two that people use everyday. The vendors are really easygoing. It’s always interesting and I guess you’re always continually learning about their product. They’re really helpful too and if they don’t know the answer then they tell us straight up and get back to us later. Very friendly.

**What about your interactions with clients or investors?** I don’t talk to investors a lot. But with clients, we think of our clients as our legal staff because we’re providing a service to them. It’s very different.. I guess my role isn’t very client based.

**What aspects of your work do you spend most time on? Please tell us about these.** Training staff members (other IT guys as well as the support staff on simple stuff they’re doing wrong). It’s interesting how they have a job. There’s a really big knowledge gap sometimes between the computers and the users. We find that a majority of the time it’s the user that’s wrong and not the system. But you can’t really say it's the users fault so you have to present the issue and solution very carefully or else you’ll get in trouble.

**Which aspects of your work do you find most challenging?** People. People are the most challenging, yeah... It’s people. The job IT itself is not that challenging. It’s the people and getting them to change their habits. I reckon that’s the biggest challenge and at the same time just trying to encourage them to do things in different ways. IT is easy because you can youtube, google anything these days. Sometimes they try but it all comes down to having a small understanding of the basics. Most of the staff is between 20 to 75.

**Finally, can you share an example of the work you do that best captures the essence of the IT industry?** I guess setting up phones? I don’t know.. Setting up of the phone systems is very IT. People don’t think it’s very IT nowadays because they use the older phones. You know why that question is so hard? The law firm isn’t very IT, it’s more very basic day-to-day stuff.. I don’t know.. IT itself is so broad and changing that I can’t pinpoint a single thing. Nothing really comes to mind.

**IT Technologies**

**Project ideas**

**Feedback**

**Group Reflection**