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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?**

Java Developer: 2nd because being a Java Developer only requires knowledge in mainly Java related things.

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.)

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

Freelancer: 1st because being a freelance requires knowledge in various types of I.T. related things. This can range from Java to C++ to even HTML5.

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 3nd

Application Developer: Tied for 2nd

Programmer: Tied for 3nd

Freelancer: 1st

Unity Developer: Tied for 2nd

**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**

**IT Technologies**

**Project ideas**

**Feedback**

**Group Reflection**