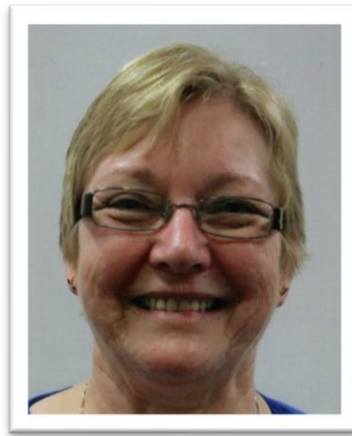


# *Introduction to Information Technology*



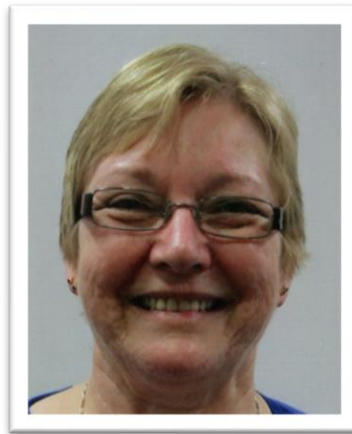
## *Assessment 1: My Profile*

*Author: Sjoukje Ida Gange*

## **Introduction to Information Technology**

### **Assignment 1**

#### **My Profile: Sjoukje Ida Gange**



**Student Name:** Sjoukje Ida Gange (called Ida)

**Student ID:** S3338810

**Student Email:** S3338810@student.rmit.edu.au

**GitHub Repo:** <https://github.com/gangsjou/desktop-MyProfile>

**GitHub Pages:**

## *My Early History*



I was born in the Netherlands and my parents migrated to Australia to look for new opportunities and better weather. I still speak a little Dutch and understand it but not very well. My brothers and I grew up in the seaside resort of Ocean Grove, Victoria. When I finished high school (VCE), I went on to work as a clerk for a large international company and then re-educated myself in Library and Information Studies, which I loved. I worked in the library in several schools and discovered that while I enjoyed all aspects of the job, I enjoyed the technical tasks most of all. These included cataloguing, database management, and research both print based and online. I am interested in many things. My hobbies include making a variety of things such as quilts, books, leather goods, and toys.

## *My IT Inspiration*



There was a teacher at my high school who began running classes in things he thought we might be interested in such as mathematics, physics, and computer sciences. I think the school administration expected the initiative to fail and they were amazed at how many students were prepared to give up lunch times to attend his classes. The school administration closed the classes down despite their popularity stating that they felt students should spend their free time outside. We were incredibly disappointed. Those classes inspired my lifelong interest in computers, computer science and mathematics.

## *Why Study IT?*



During my career in the Library and Information industry, computers very quickly became a large part of our jobs, especially online catalogues, database management, cataloguing and online research skills. We also had to learn social and presentation media as these became part of the skills that we needed for our own use within the industry and as skills we needed to teach our students. Our catalogues and searching skills adapted quickly and easily to the online environment, and we soon became adept at working in both the print based and the online environment. The students and staff loved the online environment and adjusted to it very well. But it also made me want to know more about the computers we were using every day and to understand more about their capabilities. I love having information available to me 24/7, wherever I am and whenever I want it. I also love helping other people solve their computer problems too.

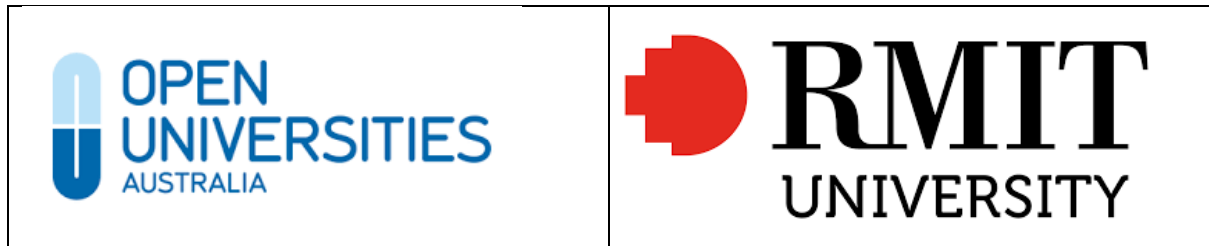
## *What do I expect to learn?*



During my studies, I expect to learn about computing languages and writing programs, design skills to improve usability and presentation, and to facilitate the use of computers by people with visual, physical, and intellectual disabilities. I also expect to learn more about the architecture of different configurations of computers to be used in different ways. I also hope to learn about security as I believe this is very important and methods of working and managing projects.

Most of all, I would like to be able to be part of a dedicated team that works to make the world more available to people with disabilities. We have a daughter who has cerebral palsy and several family members who are deaf several who are on the autism spectrum. Over the years advances in technology have made a difference in the fields of education, communication, independence, medicine, and safety for people with disabilities. There are many advances also being made in the field of medicine and rehabilitation where games such as Wii games or VR devices such as Oculus are used to provide Occupational Therapy services that patients of all ages and all abilities are enthusiastic about using.

## *Why OUA/RMIT?*



When I began studying, I was working and needed to be able to study during non-working hours. I also still have commitments at home that take a high priority. The most efficient method of studying was and is online. I contacted OUA and talked to them about enrolling in an Information Technology course. RMIT was the best fit and so I began to study with OUA/RMIT. I love learning in the online environment because I can study when the time suits me, I don't need to travel to classes, and I can take my coursework with me wherever I am. The people I study with and those who teach the courses are friendly, engaged in the courses, and interesting to talk to, especially to hear about where they are, what they are doing and why they decided to study or work online with OUA/RMIT.

## *My Dream Job*



### **Software Quality Assurance Test Engineer**

<https://www.seek.com.au/job/59465838?type=standout#sol=e371faa4398b7651f82b2a02c0ac8f3aa055bc3b> (see also Appendix A)

### *About CardioScan*

CardioScan is a global company that collects and analyses cardiac data and reports their findings to primary health practitioners. Their purpose built BeatBox Cardiac Management Platform has been built with a primary focus on security and efficiency and collects data from over 5000 users globally, reporting over 1million tests a year, and with over 8000 devices in the field. CardioScan continually innovates to provide a technology led, cardiac reporting service.

### *About the role*

This role carries responsibility for testing of new and/or existing platform features including API testing, automation testing and testing of manual methods and needs the successful applicant to work using Agile methodologies. It also requires the successful applicant to coach the team in working to a Quality Assurance mindset and to ensuring Quality Assurance best practice is met. The Quality Assurance Test Engineer, is also responsible for delivering test features and frameworks by investigating, evaluating, and specifying problems and solutions, automating testing and improving and developing systems and tools needed for testing. It will also be necessary to estimate time and cost of work and stay within the time and cost estimates as well as supporting and promoting the CardioScan vision.



## *Skills and experience*

This job requires experience in Quality Assurance best practice, use of unit and regression testing tools, implementation of automated test frameworks, good verbal communication skills, good problem-solving skills, up-to-date knowledge of the latest testing technologies and practices and the ability to integrate these as needed.

## *Qualifications*

A degree in computer science is still preferred by most employers. Programming skills in languages such as Java, C++, JavaScript, and Python, would be an asset. Certifications that would be helpful are Certified Associate in Software Testing (CAST), Certified Test Engineer (CSTE), and Certified Software Quality Analyst (CSQA).

## *My Qualifications Plan*

I have already begun in my plan to achieve this objective by enrolling for a degree in Information Technology with RMIT through OUA. I feel that having a degree will be an advantage for employability. When I have finished my degree, I will then enrol in the certificates listed above which would give me qualifications in Software Testing and Quality Assurance. With my education in place, I will then try to find a job and begin learning the practical skills needed to take on this profession.

## *Why is it my dream job?*

Heart disease is not only Australia's biggest killer but is also a debilitating disease that changes the lives of many who suffer from it. To work with a company whose primary function is to collect, collate and share information about heart disease would be very worthwhile. Working in Quality Assurance is also very important as the information will mislead health professionals if it is inaccurate or incorrect. Methods of collecting, collating, and sharing information must be constantly updated and improved to continue being at the cutting edge of the industry. Automated testing of the software to ensure that it is working efficiently, effectively, and accurately, and ensuring that new tools, applications, and methods are also working accurately, effectively, and efficiently is essential to the success of the project and of the company.

## *Personality and other Profiles*

Although qualities of successful teams tend to vary, there are some qualities that are consistently held to be necessary to most successful teams.

These are that team members:

- have clear goals
- have strong leadership
- complete their own tasks, then help other team members
- communicate well
- resolve their conflicts
- feel that they directly contribute to the company's success

## *Myers-Briggs 16 Personalities Test*



## *What do the results of this test mean for you?*

The results of this test mean that I need to be aware of my tendency to be driven by success and to be a perfectionist. When in a team, especially if I was leading the team, I would need to be aware of the needs of others and not impose unrealistic expectations on other team members. As a diplomat, I should be able to negotiate through any conflicts, hopefully

without creating losers and winners, and be able to create an atmosphere of harmony and cooperation. I would probably work best in smaller groups but if working in a large group would need to be aware of and work towards creating a cooperative and trustful environment where team members are comfortable working together towards a common objective and that the stronger team members are comfortable taking on mentoring roles so that they support the weaker team members. I would hope to have the confidence to encourage creative thinking and solutions.

### *How do you think these results may influence your behaviour in a team?*

In a team environment identifying the characteristics of the other team members is important to be able to support their efforts. Participating in team communication would also be very important to ensure that all team members were working towards the same objectives. Taking the time to check in with other team members to see how they are doing and support their efforts by casually mentoring if they are struggling or just listening to them will help to feel that they are valued. Supporting the team member who is the social group builder is also important as they are the person who will build the goodwill in the team. They are the person who will organise to celebrate successful completion of projects, or just get together for fun and these events help team members to get to know one another and to work together more harmoniously.

### *How should you take this into account when forming a team?*

When forming a team, I would look for people with the qualities needed to make a successful team. A person who asks questions helps to clarify any ambiguity in the project can head off problems later, someone who is proactive and a finisher often sets the pace for the rest of the team and keeps them on track to finish in good time, a diplomatic person can help to smooth over any conflicts within the team and a person who will initiate social activities to help team members get to know each other, celebrate finished projects and successes and grow the team both professionally and socially.

## *VAK Learning Style*



### *What do the results of this test mean for you?*

These test results have helped to clarify my understanding of my learning style and my preference for many different formats of material. It also clarifies that my learning is supported by note-taking. I have always found that this helps to solidify the information that I am hearing or seeing. It also means that I will now be more aware of the learning styles of other members of my team and that I need to cater to the other learning styles if I want to be a good communicator.

### *How do you think these results may influence your behaviour in a team?*

When working in a group I would use this style of learning to present my work as it seems to be a common learning style. Since I prefer handouts to support whatever mode of communication a presenter uses so that I can go back over the information again later, I would make sure that a summary of the information I was imparting to the team would also be printed or sent as an email with links to more information if that was appropriate.

### *How should you take this into account when forming a team?*

This information would be useful when forming a team so that any information could be tailored to individual learning styles. For visual learners, having the information presented in visual form with colour-coding, images, written text, and multi-modal formats will support

team members understanding and retention of information. For auditory learners, having an oral presentation to support the visual information would help them to retain the information. Kinesthetic learners would be the hardest to cater to in a work team environment. Kinesthetic learners would seem to learn best in an Agile Sprint style presentation as they can remain standing and could move about while taking in the relevant information. Understanding learning styles will help to ensure that all team members are supported in their preferred communication and learning styles.

## *The Big 5*



## *What do the results of this test mean for you?*

The result of this test tells me which values I have that will be valuable to the team and will support their success and which ones will isolate me from the team or challenge the teams' ability to reach its full potential. Although it is good to have a mix of personality types in a successful team, it also needs all the members of the team to be working towards the success of the team as well as the success of the projects.

## *How do you think these results may influence your behaviour in a team?*

In a team environment, knowing the results of a test like this is a valuable resource to tell you the qualities you have that will be of value to the team and to let you know which skills you may need to work at improving. Once you are aware of the skills or personality traits that you do not excel in, you can be aware and try to improve on them.

*How should you take this into account when forming a team?*

When forming a team it would be a good idea to ensure that the team includes a mixture of qualities. To have too many social people on a team and no doers and finishers could make it difficult for the team to finish its' projects on time. By the same token, having no social people on the team might mean that the incidence of conflict increases as there has been no effort to creating any empathy or understanding between team members.

## References

- EducationPlanner. (2022). *What's your learning style?* Pennsylvania Higher Assistance Agency. <http://www.educationplanner.org/students/self-assessments/learning-styles.shtml>
- Honey, P. (2022). *Team Roles*. University of Exeter. <https://studyhub.fxplus.ac.uk/study-guides/teams-groupwork/activities/team-roles>
- Neris Analytics Ltd. (2022). *16 Personalities*. <https://www.16personalities.com/>
- Roell, K. (2020, August 26). Understanding Visual, Auditory, and Kinesthetic Learning Styles. *ThoughtCo*. <https://www.thoughtco.com/three-different-learning-styles-3212040>
- Roell, K. (2020, August 28). The Visual Learning Style. *ThoughtCo*. <https://www.thoughtco.com/visual-learning-style-3212062>
- Rubynor, (2022). *Big Five Personality Test*. <https://bigfive-test.com/>
- Ryba, K. (2020, Oct. 8). 8 Characteristics of High-Performing Teams (and How to Build One). *Quantum Workplace*. <https://www.quantumworkplace.com/future-of-work/characteristics-of-high-performing-teams>
- Seek.com. (2022). *CardioScan: Software Quality Test Engineer*. <https://www.seek.com.au/job/59465838?type=standout#sol=e371faa4398b7651f82b2a02c0ac8f3aa055bc3b>

## *Appendix A: Copy of Job Description for Software Quality Assurance Test Engineer*



## Software Quality Assurance Test Engineer

<https://www.seek.com.au/job/59465838?type=standout#sol=e371faa4398b7651f82b2a02c0ac8f3aa055bc3b> viewed 15/12/2022

CardioScan  
Camberwell, Melbourne VIC  
Testing & Quality Assurance (Information & Communication Technology)  
Full time  
Posted 3d ago  
[More jobs from this company](#)

### About Us

CardioScan is a global cardiac data and analysis company. We provide cardiac data and reporting to primary health practitioners in ten countries, including Australia, the US, the UK and across Asia.

We deploy cardiac equipment into the field, collect heart data and provide analysis to our customers with the upmost focus on accuracy, quality and speed. We want to put the right data in the hands of those who need to make the decision, in a time of need. We combine leading equipment with outstanding people and innovative software to ensure a focus on the customer and ultimately, their patient.

Our BeatBox Cardiac Management Platform has been built from the ground up with a focus on efficiencies and security in mind. BeatBox is at the core of all our global operations with 5000+ users globally, reporting over 1M tests a year, with over 8000+ devices in the field. CardioScan continues to innovate on behalf of our global customer base to provide a technology led, cardiac reporting service. As the benefits of our new technology compound, we are always looking for outstanding people to join our organization to bring our customers on the journey with us.



## About the role

Work in an Agile environment as part of the development team, you will be responsible for carrying out end to end testing of new/existing platform features, which will include manual, automation, and API testing, with a strong emphasis on automation testing. Playing an integral part in ensuring QA best practices are in place and coaching the team to have a QA mindset.

In this role of QA Test Engineer, you will be responsible for delivering test features and frameworks to our core software solutions. This involves investigating, evaluating, and specifying problems and solutions. You will be accountable for estimating your work and delivering within that estimate, while actively contributing to the QA strategy in the Development Team by driving initiatives that deliver on the CardioScan vision and company objectives.

## Key responsibilities

- Schedule and execute test plans and analyse results
- Defect detection, classification, management, and reporting
- Maintain smoke test plans and regression test plans
- Develop test automation frameworks and automate tests for continuous improvement
- Develop and improve the systems and tools required for test execution and management

## Skills and experience

- Experience in using automated Unit and Regression Testing tools
- Experience implementing an automated test framework
- Excellent verbal communication skills.
- Good problem-solving skills.
- Keep abreast of the latest testing technologies and practices and integrate these as appropriate.

Initiative is highly encouraged and CardioScan promotes the sharing of information, and team collaboration to identify areas for improvement of our business procedures and customer experience.

## About you

- Eye for detail, and ability to quickly understand problem statements and outline a plan of action. Strong organisational and project management skill – Self managed
- Excellent people and collaboration skills with the ability to work effectively across different cultures by listening and acknowledging each other's expertise.
- Excellent interpersonal skills with the ability to positively listen, connect and relate with people at all levels and backgrounds.
- Successful track record of achieving results through and in collaboration with others
- Alignment (professional and personal) with CardioScan's core values and expected behaviours

- Excellent written and oral communication skills and excellent organisational and time management skills
- Positive 'Can do' attitude
- A strong hands-on approach and self-starter
- Enjoys a variation of tasks and is flexible and adaptive to changing workloads, deadlines and developments

### **Why work with us**

Hearts are at the core of everything we do. Working with us provides an opportunity to be part of a fantastic team, in a supportive working environment, exposure to exciting emerging technologies. and focus on learning and development. It's an exciting time to join our business and as it grows, so do the opportunities for personal and professional growth.

Our people are our priority, and we strive to create a workplace where people are respected, valued, and rewarded for their contributions. We focus on outcomes. We value flexibility and encourage our team to work in ways that support their work/life commitments and wellbeing.

CardioScan is an equal opportunity employer committed to attracting and retaining diversity in our workforce. As a result of Coronavirus (COVID-19), it is a condition of employment with CardioScan, subject to reasonable exemptions, that you have had COVID-19 vaccinations, including where recommended by public health authorities and booster vaccinations.

### **CardioScan is**

- A place where you can play a key role in a business that is growing rapidly
- An opportunity for career growth in quick succession
- A place that places significant trust and provides autonomy of its team and resources
- A place that encourages people to deliver on behalf of each other and a Company that is growing on average into 2 new countries per year
- Where personal growth and self-learning is encouraged and paid for
- Flexible work life balance taking part in our Hybrid working model
- Strong culture of growth and development
- Annual salary reviews, KPI metrics
- Clear promotional path
- A company that truly live our goals of Agile & Innovative, Commitment, Generosity, Accountability, The Whole team and or course, Heart.