



Techstra-One

Assessment 2: Team Project

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TechstraOne is a group of like-minded people coming together with the goal of producing a project with real world purpose and to demonstrate our commitment to developing the necessary skills required for the Information Technology industry in the 2020's.

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Introduction

The Techstra-One team was formed by students from RMIT who shared an interest in creating a project that would allow us to develop and demonstrate skills relevant to our interests in Information Technology. The students met during the Introduction to Information Technology course as part of the Bachelor of Information Technology offered by RMIT.

In the following report, you will learn more about the Techstra-One team members, what their interest in Information Technology is and how their personality's and learning styles will impact the team. We will also discuss what each team member's ideal job is and the required skill set that they would like to develop and how that relates to industry demand.

We will also discuss IT Technologies that are of interest to the team and what influence this may have on the future of Information Technology.

Finally, we will reveal our project idea in detail and discuss our approach its development and implementation in the future.

1. Team Profile

2.1 Team Introduction

2.1.1 Timothy Hall S3851553

Tim has always had an interest in IT from a very young age and continued to follow this interest by pursuing a role in IT in the Navy.

Completing 15 years of service following this interest he has found his passion for IT revolves around networking. Tim has continued to follow his passion by completing his CISCO CCNA qualification and continues to educate himself. With his 15 years of experience in the Navy, Tim brings project and team management skills as well as a raft of IT knowledge to Techstra-One to help see the goals of the company come to life.

During his spare time Tim is an amateur home chef and loves to go to the gym and rock climbing with his partner Tiffany.

2.1.2 Benjamin McDonald S3851983

Ben is a student at RMIT studying a Bachelor of Information Technology. Prior to beginning his degree, Ben had pursued a career as an audio visual technician working for companies in Canada and Australia.

Working in the AV industry for seven years helped Ben develop his knowledge of networking as well as hardware and software. This led to an interest in IT and AI (Artificial Intelligence) and the possibilities of what AI could hold not only for the AV industry but for every industry.

Ben strives to work as an AI developer, working with the top teams on creating sentient AI, as well as working on smaller AI inclined projects. Ben is semi-fluent in HTML, CSS, and is currently learning java script and python which will all be of benefit to the Techstra-One team.

2.1.3 Andrew Wendt S3858515

Andrew's career started out at a data centre, where he administrated the facilities access control and building management systems.

He successfully completed a certificate 4 in IT networking and a certificate 3 in electronics, he applied the knowledge he learnt by becoming a technical specialist for an electronic security company. He has worked in the field for 5 years, with his responsibilities and experience including fitting off field devices, running cables to programming advance access control systems, IP CCTV, biometrics and intercom systems.

One of Andrew's goals is to further his knowledge with cyber security - a career in cyber security is very interesting to him. Andrew brings an array of technical knowledge to Techstra-One, including IT networking, electronics and hardware, Linux based operating systems, SQL database management and cisco routing and switching.

2.1.4 Rebecca Barnett S3856827

Rebecca has been interested in Software & Website Development for many years, teaching herself how to code HTML in high school before choosing to commence a Bachelor of Technology degree after graduating.

Although her life took a different career path early on - working as a retail manager for fifteen years, Rebecca has always had a passion for technology and is excited to pursue new opportunities in Information Technology, hoping to work as part of a Software Development team in the future.

Rebecca enjoys the problem solving aspects of Information Technology and loves pursuing the “ah-ha!” moment of getting something difficult to work. Rebecca loves to break down problems into manageable parts and can spend endless time perfecting her work whether it is when coding or writing documentation.

Rebecca brings some project management and Java development experience to Techstra-One, which she acquired whilst studying for her Diploma of Information Technology and from a six month industry based scheduling software project. She considers herself excellent at documentation and enjoys producing reports and experimenting with data to create graphs and charts.

In her spare time Rebecca enjoys strategy games, reading and going for long drives with her husband David.

2.1.5 Adrian Foti S3857888

Adrian is an enthusiastic, hardworking individual recently obtaining his VCE certificate after completing year 12. Adrian was previously an apprentice Cabinet Maker where he acquired a Cert II in Furniture Making and is now a Building Construction worker looking to further his career.

Adrian's interest in IT began at a young age, experimenting with and tweaking Windows XP machines. Adrian developed a curiosity in how machines worked and how their output could be manipulated.

Adrian intends to learn the skills required to be part of a business ICT team and also programming skills that he can utilise in passion projects and as part of the Techstra-One team.

2.1.6 Adrian Ferrara S3856304

Adrian's interest in IT stems from a young age when his father brought home the first family PC in 1997. He found himself a natural at navigation and immediately was drawn to the world of video games. In his teenage years he spent a lot of time in music production using programs like FL Studio and Cubase as well as the introduction of the internet where he dabbled in HTML coding unknowingly thanks to MySpace.

He is currently enrolled in a Bachelor of Information Technology at RMIT University through OUA. He hopes to find his place in the world of IT by pursuing all aspects and finding a true passion. Adrian is driven to learn as much as possible about all things he takes interest in and has vast experience in retail sales as well as holding a 2nd degree black belt in taekwondo.

2.2 Team Profile

2.2.1 Myers Briggs

The Techstra-One team each took a Myers-Briggs Type Indicator test from the 16 Personalities website. (16Personalities, 2020)

The Myers-Briggs Type Indicator tool was developed in the 1940's by Isabel Briggs Myers and was based off of C. G. Jung's psychological theories from the 1920's and attempts to make insights into peoples behaviours and personality traits. (The Myers & Briggs Foundation, 2020)

Isabel Briggs Myers described sixteen types of personalities that every person could be categorized by. This information is useful to a team as it can highlight areas of strengths and weaknesses and may provide insight into how the team will perform together.

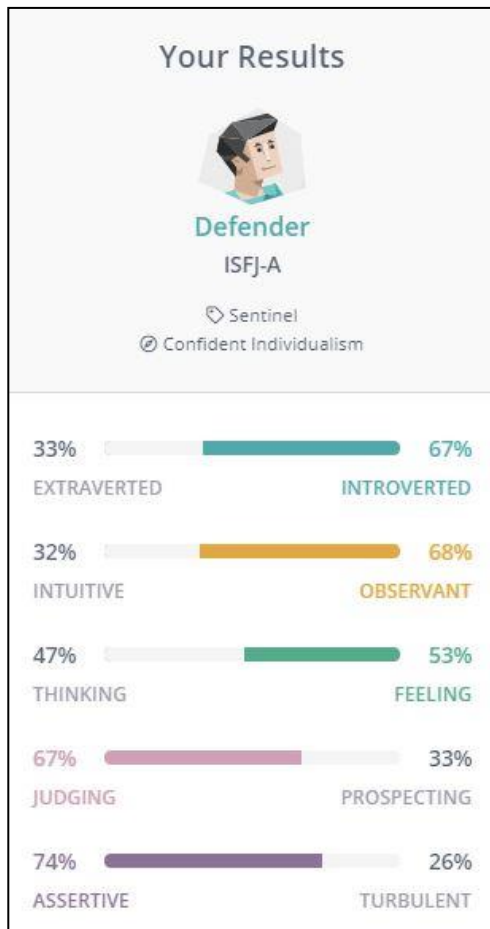


Figure 2.2.1.1: Timothy Hall: Defender

Benjamin McDonald ENFP - T

Ben is a Turbulent Campaigner (Figure 2.2.1.2) according to the Myers-Briggs test and means once he has his sight set on a goal nothing can stop him from achieving it.

Campaigners possess curiosity and energy that allow them to read between the lines and seek deeper meaning in what they encounter.

A weakness of a Campaigner may be that they may have poor practical skills relevant to what it is they wish to achieve.

Ben will be an asset to the team, possessing the drive to see the project's completion as well as helping the team to better understand what is required of them.

Timothy Hall ISFJ-A

Tim is an Assertive Defender (Figure 2.2.1.1) which is a character who is supportive, reliable and patient.

Defenders in general are often in the background of a team and get the jobs done that are allocated to them as well as often taking on extra work which is often a detriment to themselves but are happy to do it.

A weakness of a Defender may be that they take things too personally and may take criticism more harshly than it is intended.

Tim will be a solid foundation for the Techstra-One team to rely on, supporting the team with his strong work ethic and reliability.

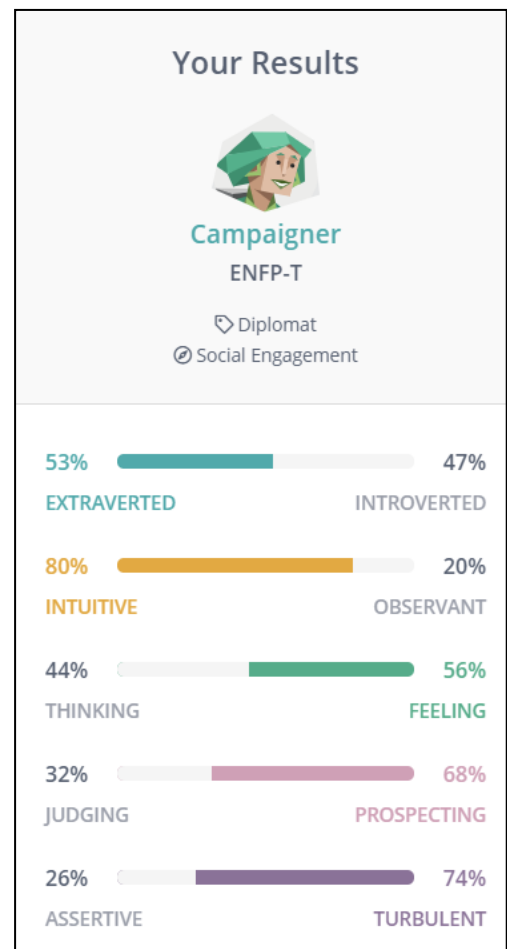


Figure 2.2.1.2: Benjamin McDonald: Campaigner

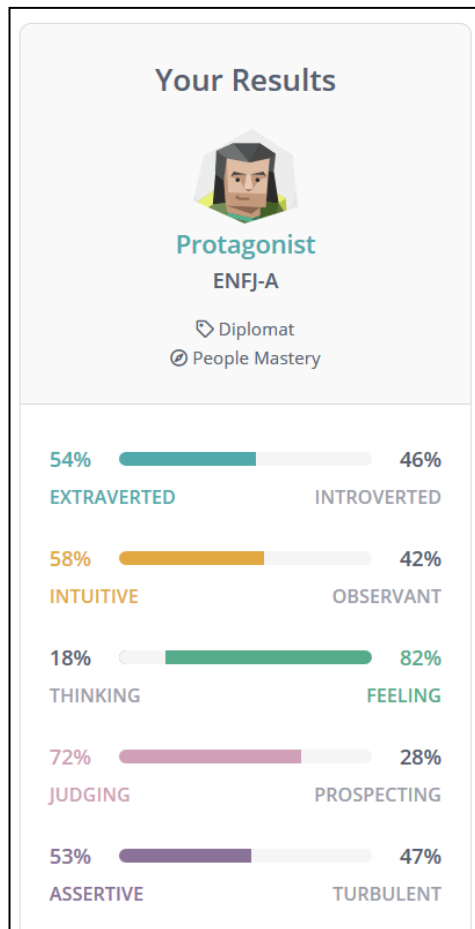


Figure 2.2.1.3: Andrew Wendt: Protagonist

Rebecca Barnett – INFJ - T

Rebecca is an Advocate type (figure 2.2.1.4), forming strong opinions about what she feels is the best way to proceed and also excelling at helping others to reach their potential.

A weakness of an Advocate may be that they can be sensitive when challenged or criticized.

In a group situation, Rebecca will bring out the best in her peers and approach tasks with a strong understanding of the requirements and possible solutions.

Andrew Wendt ENFJ - A

Andrew is labelled as a Protagonist (Figure 2.2.1.3) meaning he has a strong sense of feeling and judgement and is intuitive and altruistic. He is a believer of a strong team effort and prides himself in being reliable, tolerant and charismatic.

A weakness of a Protagonist may be that they can be perceived as being naïve.

Andrew will help to support the team in working better together and provide vision and guidance to seeing the team succeed.

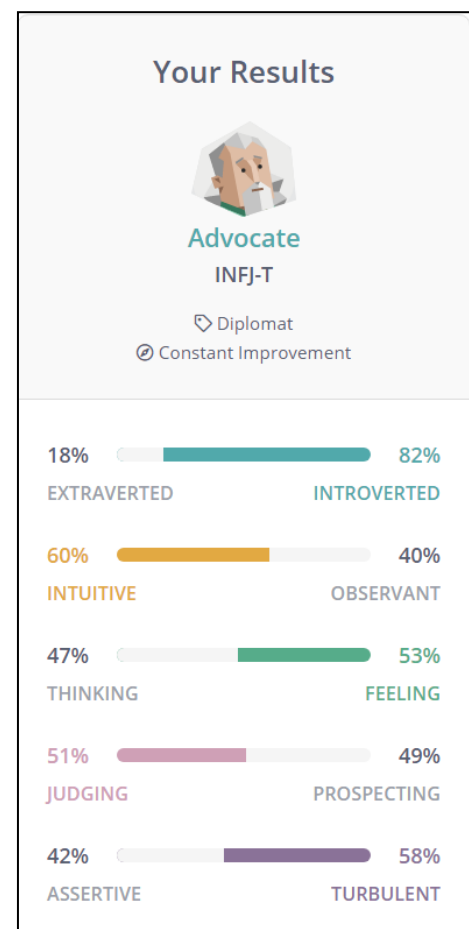


Figure 2.2.1.4: Rebecca Barnett: Advocate

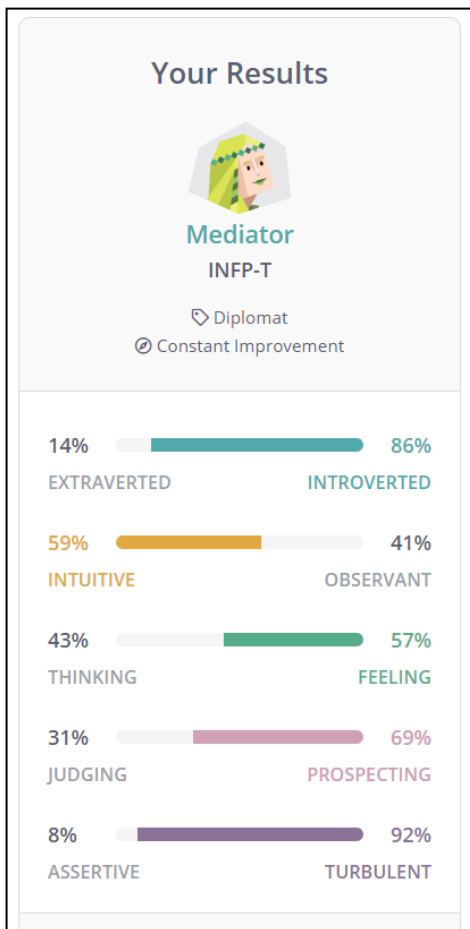


Figure 2.2.1.5: Adrian Foti: Mediator

Adrian Ferrara ENFP - T

Adrian is a Campaigner (Figure 2.2.1.6), identified as being approachable, enthusiastic and observant, not missing details that others may. Campaigners also possess the drive to see their ideas succeed.

Campaigners may lack the practical skills required for achieving what it is they set their sights on.

Campaigners are fantastic at motivating others and Adrian will be a good addition to any team as he can adapt easily and work well with anyone in the right circumstances.

Adrian Foti INFJ - T

Adrian is a Mediator (Figure 2.2.1.5) and possesses the introverted, intuitive, feeling and prospecting personality traits. Mediators are open-minded, caring and creative in their approach.

A weakness of a Mediator personality type may be that they can be too idealistic and too altruistic.

Adrian will bring creativity to the project team as well as an open-minded approach to completing tasks.

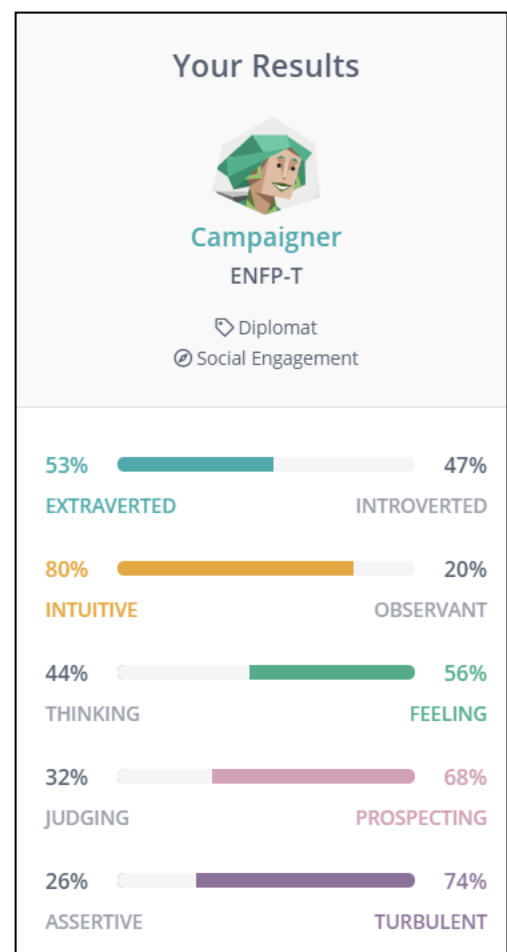


Figure 2.2.1.6: Adrian Ferrara: Campaigner

2.2.2 Learning Style

The team also each took a Learning Style test from EducationPlanner.org (EducationPlanner.org, 2019) which reveals what style of learning each team member prefers and how they handle information and problem solve.

The three different learning styles include Visual, Auditory and Tactile and it is possible to have more than one preference.

Visual Learners prefer to see pictures or read in order to understand information and concepts.

Auditory style learners learn by listening and hearing and excel at remembering information that they have heard.

Tactile learners are “hands-on” and learn by touching and attempting what it is they are trying to learn.

Timothy Hall and Adrian Ferrara both identify as Auditory learners. Benjamin McDonald, Andrew Wendt, and Rebecca Barnett all identify as Visual/Tactile learners. Adrian Foti Identifies as a Visual learner. The results can be seen on the below chart: (Figure 2.2.2.1)

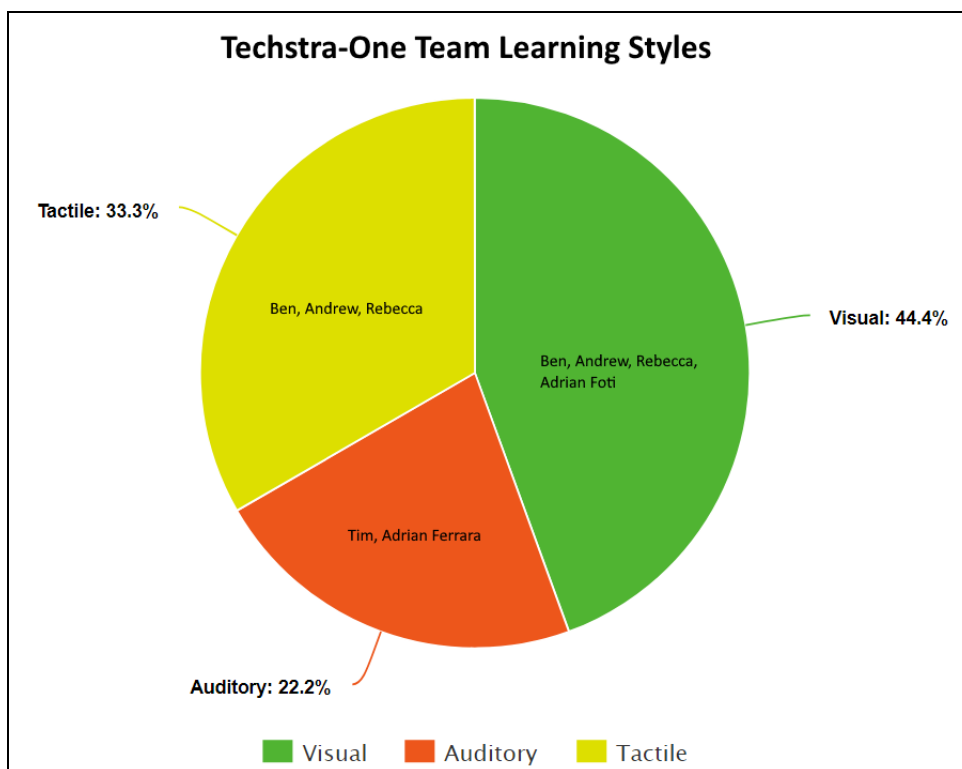


Figure 2.2.2.1:
Techstra-One Learning
Styles

Knowing what each team member prefers, it is apparent the most popular learning style is Visual and the team may benefit from sharing pictures and videos when discussing information.

Ideally, videos demonstrating concepts and discussing how it is done would be the best format as it would appeal to auditory style learners like Tim & Adrian Ferrara too. Ben, Andrew & Rebecca will also benefit from attempting tasks and getting “hands-on” with their project work.

2.2.3 Creativity

The last personality test the team did was a creativity test from Test My Creativity. (testmycreativity.com, 2020)

The metrics used to measure a person's creativity by this test include:

- **Abstraction:** Ability to abstract concepts from ideas.
- **Connection:** Ability to make connections between things with no apparent connections.
- **Perspective:** Ability to change ones perspective of a situation.
- **Curiosity:** Desire to improve and change things that are accepted as the norm.
- **Boldness:** Confidence to push boundaries beyond accepted conventions.
- **Paradox:** Ability to simultaneously accept and work with statements that are contradictory.
- **Complexity:** Ability to carry large quantities of information and manage it.
- **Persistence:** Ability to force oneself to keep trying.

Timothy's results show him as well rounded, possessing a creativity score of 58.08, and it is evident that Tim is not afraid of large quantities of information and is able to manipulate that information to his advantage. Not only is he able to work with this large amount of data he can simultaneous work with things that are contradictory to the norm to his advantage.

Benjamin has a creativity score of 64.9, with him having a high score in Boldness, Connection and Persistence. This means that Ben has the self-assurance to challenge perceived boundaries, find similarities in data sets and the persistence to see things through.

Andrew has the teams highest creativity score at 73.89 showing a strong result for Complexity, suggesting he has the ability to deal with lots of data and making it work for him.

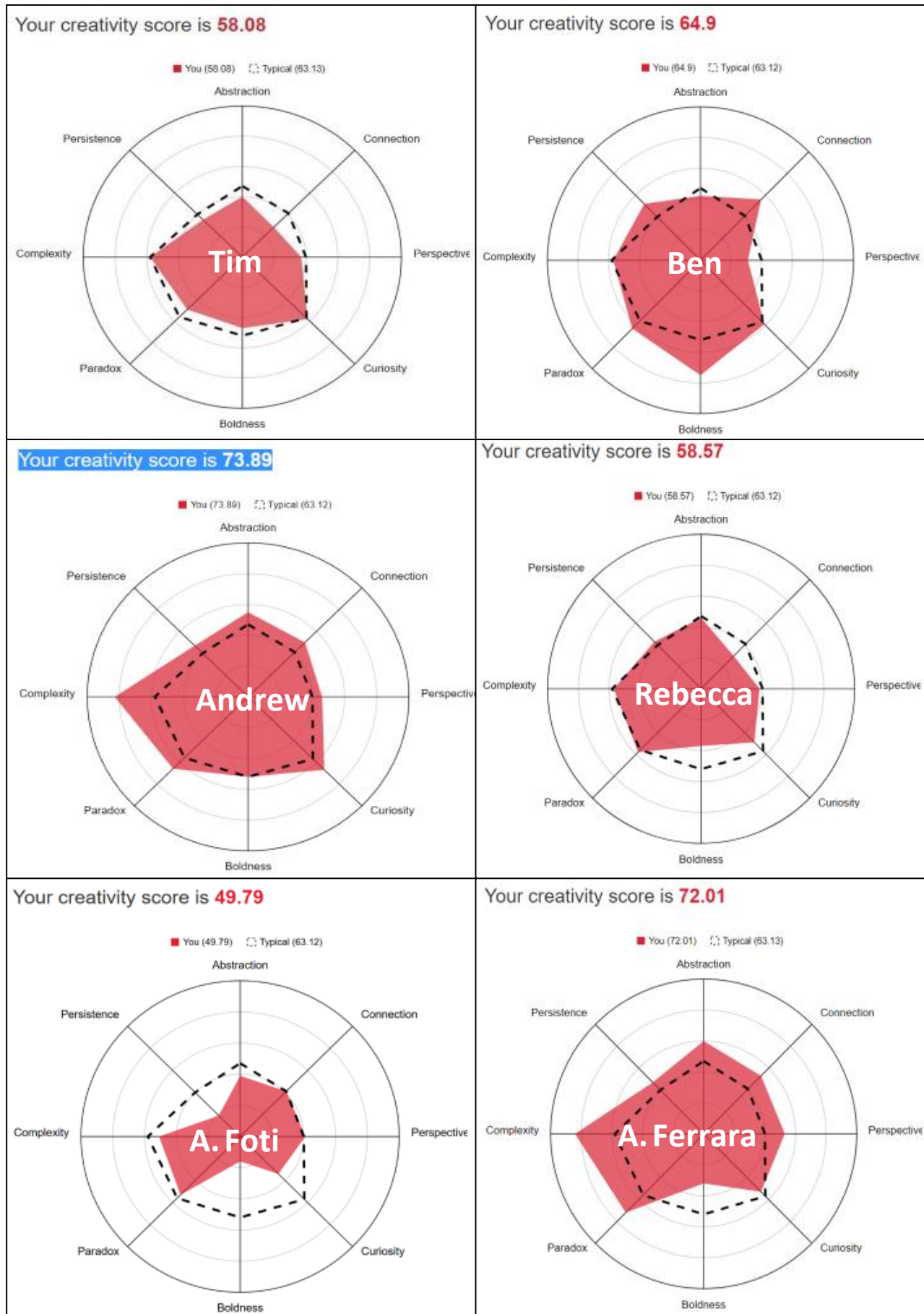
Rebecca has a creativity score of 58.57, also showing fairly well rounded results although lacking slightly in Boldness. A weak score in Boldness might suggest Rebecca is against pushing boundaries and would likely stick to the norm.

Adrian Foti scores the lowest for Creativity with a result of 49.79. The areas in which he is lacking most is Persistence and Boldness. Like Rebecca, he might also stick to normal conventions and may be discouraged easily.

Adrian Ferrara also scores high in this test, with a result of 72.01. His stand out areas include Complexity, Paradox and Abstraction. This means Adrian is likely capable of simultaneously working with contradictory information and take away new concepts.

The results of the team's tests are displayed in Figure 2.2.3.1.

Figure 2.2.3.1: Team Creativity Results



Ideal Jobs

- Compare and contrast the ideal jobs for each person in the group. This may have changed due to feedback from Assignment 1. What common elements are there, if any? What differentiates each position from the others, if anything? How similar or different are your career plans across the group?

Part 3: Tools (website, github)

- Setup a website for a team webpage and create a github repository
- In your report you should include a brief description of what you have done, and include the following: • The link to your group's website • The link to your group's Git repository (GitHub, BitBucket, etc) • Your comments on how well the audit trail on the Git repository reflects your group's work. You will presumably only be able to do this close to the time of submission.

Part 4: Industry Data From Burning Glass – Create a matrix of preferred jobs.

Part 5: Interview an IT professional.

- Add the question – how do you upskill and keep current in your current job noting how fast IT does change?
- Conclusion Paragraph – Reflect on the answers anything new/different than you were expecting.

Part 6: IT Technologies X 4

- 300 Words what is the likely impact?
- 300 How will this affect you ?

Part 7: Team Project

Part 8: Feed back

- Group Reflection – How we went/ what could we do better for the future and what have/will we change
- 200 words each
- 400 words as a team

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