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| BLockMarket  Tuesday Group 10 |
| Website  <https://s3954173.github.io/BlockMarket/>  GitHub Repository Link  <https://github.com/s3954173/BlockMarket> |



**Team Profile**

Bo Kim Tran (s3954173)

I was born in Australia but have a half-Chinese and half-Vietnamese ethnicity. In 2019, I undertook a traineeship with Apprenticeship Support Australia. Since then, I have been working as a Client Service Officer providing crucial support to businesses and apprentices especially during COVID and being responsible for administering government subsidies to clients. Some of my hobbies include experimenting with programming languages and playing games like Elden Ring. I especially love going on walks with my pet dog Vilo (see above for maximum adorableness!)  
  
I have a fair amount of IT experience in terms of what I have learnt or have been exposed to. I have dabbled with Python, Raspberry Pis, building computers, configuring networks, playing VR games and have been continuously exploring the different options available in the IT industry.   
  
At work, I occasionally become the de facto “IT guy” when the IT department is not available. My current number one interest in IT has been cybersecurity and ethical hacking. It started with prospects of high pay and being the ‘Hacker Man.’ However, further research into this industry gave me motivation to learn vital skills and knowledge to protect myself, my family, and others from the constant threats we face online. Also having legally immunity (when granted by the client) to break into people’s things sounds like fun.

A person wearing glasses

Description automatically generated with medium confidence

A dog lying on a bed

Description automatically generated with low confidence

My website

[***https://s3954173.github.io/COSC1078-Assignment-1/***](https://s3954173.github.io/COSC1078-Assignment-1/)

# Hayden McKenzie(S3897476)

My name is Hayden McKenzie. My student number is s3897476. I have a turtle named Argon. Other than programming, my other hobbies include playing the guitar and sports and fitness. I was striving to play professional basketball however in 2018, I tore my ACL. Through the process of recovery, I discovered that I would love to help others through recovery and decided to become a chiropractor. However, I started working at a chiropractic clinic and I saw the effects of COVID and decided I didn’t want my future occupation to be affected by a random event such as COVID.

A person smiling for the camera

Description automatically generated with medium confidence

My website

[***https://HaydenMcKenzie.github.io/AssignmentOne/***](https://haydenmckenzie.github.io/AssignmentOne/)

# Daniel Gell (S3944942)

Hello, I am Daniel Gell, a member of the Block Market team, my student number is s3944942, and I’ve just moved to Melbourne this year (2022) for university, previously residing in the Gippsland town of Rosedale. My main hobby is music, I’ve been playing guitar for nearly a decade, and have picked up various other instruments throughout the years. I am also an avid collector of music, with a collection of CDs, vinyl records, and cassette tapes amassing about 350 albums in total. My interest in IT mostly stemmed from my year 12 IT teacher, Mr Donald Watson, he was very informative in how he taught and it gave me a love of IT that I still have till this day. I have little to no actual practical experience in IT however, aside from a few data entry jobs I did for my mother’s bookkeeping company.

A person with curly hair

Description automatically generated with medium confidence

My website

[**https://s3944942.github.io/Assignment-1/**](https://s3944942.github.io/Assignment-1/)

A person sitting in a car

Description automatically generated with medium confidence

My own skills and qualifications are somewhat related and begin to explore what is required for this ideal job. I am currently finishing my Bachelor of IT as my tertiary education.  In terms of coding ability, I understand the fundamental principles of how some coding languages work, including HTML, CSS, JS and TS. I have had real-world experience applying these languages in developing websites. I have also had experience in completing courses in mobile app development (Android studio) which include development in the front and back-end (storing data using MongoDB SQL).

In terms of field experience, there is limited and junior experience as a developer, using libraries such as angular and RxJS to develop. As I work in the front-end, I am always considering the UX and using a user-centred approach to my designs.  I have had prior tertiary experience in a Bachelor of Design, drawing upon design elements and principles learnt in my time learning architecture – which are all transferable skills which can be applied to digital UI design. Personally, I have always had an eye for design, constantly finding the imperfections in current everyday applications and services – thinking about the “what ifs?” and the reimagining in my own style.

My website

[**https://sviozrsx29.github.io/COS1078\_Assignment1/**](https://sviozrsx29.github.io/COS1078_Assignment1/)

Russell Saw (S3935418)

Greetings! My name is Russell Saw and I am currently a student studying a Bachelor of IT in RMIT. I am Malaysian-Chinese by decent but have spent most of my childhood growing up in Melbourne (migrated at the end of 04) – and thus have adopted a strong Australian culture – with some Asian roots. While almost exclusively speaking English with friends and family, I can understand slight amounts of Cantonese and Chinese – something I’d love to expand by understanding on. My past education consists of a finished VCE (Highvale Secondary), 4 years of undergrad experience (Design at melbuni / IT at monash) and now finally finishing a Bachelor of IT at RMIT.

If not seen at my desk job as a junior front-end developer or studying for my degree, you can catch me practising guitar or playing badminton. Videogames have, and always been, a huge part of my life. Sinking ungodly hours into gradually increasing an otherwise ineffectual number that supposedly quantifies your overall skill and competency - dota2 anyone?

From an early age, IT has always been a major component of my life. Everything from playing video game consoles, the exchange of information through social medias, to my ever-growing curiosity of AI have shaped me to become the individual I am. My early childhood affinity with computer games had led me to become inevitably attached to PC’s. As you grow up with constantly updated hardware – and ever-increasing capabilities, your curiosity of what is possible, and what can be created with these machines stands as a driving factor for my pursuit in a career in IT. Whether these limits are explored through means as a software developer, security architect or even a path in data analytics, is yet to be realised. My hopes in completing my course in RMIT, is that I will learn in which of these fields my passion in IT lies. I currently have hands-on experience with IT, recently starting my job as a junior web developer, working within a dev team collaboratively to code the front-end of an e-commerce website to be used commercially.

A person wearing glasses

Description automatically generated with medium confidence

My website

[**https://phamilyvan.github.io/COSC---IIT---Assignment-1/**](https://phamilyvan.github.io/COSC---IIT---Assignment-1/)

After having studied for a couple of years with exposure to software development using Java, Databases and many other disciplines, my interest (much the same as before studying at RMIT) largely remains the same in Artificial Intelligence, Machine Learning and Data Analytics. More specifically, I would someday like to create a self-thinking, intelligent system. Examples of developments in Artificial Intelligence that has piqued my interest in recent years includes Tesla’s self-driving cars, the robot Sophia and OpenAI’s Dota 2 AI.

# Van Pham (S3788106)

My name is Van Pham, student number s3788106, email of [s3788106@student.rmit.edu.au](mailto:s3788106@student.rmit.edu.au) and studying in Bachelor of Information Technology. I was previously enrolled in Computer Science but opted to change courses. The reasons being: Enrolling in a program that is more suited towards my capabilities and freeing up time to pursue other professional interests (being data analytics and data science) as well as leisure.

Born in Australia with a Vietnamese background, I can speak English, Vietnamese and in the recent years, have picked up Japanese. A fact that one might find interesting about me is that I’m an avid gamer, especially the genres of First-Person Shooters and Role-Playing Games. My favourite titles are “Counter-Strike Global Offensive” and “Skyrim”.

Before starting my studies at RMIT, whenever the term “IT” came up in conversation, I would always think of Artificial Intelligent Systems, Machine Learning and an Interconnected world using Technology. Those assumptions were heavily influenced by Japanese films such as “Ghost in the shell” and “Time of Eve” as well as games like “Deus Ex”. The conceptualisation of what a future society that is intertwined with technology has fascinated me ever since enjoying these medias a few years back. Rather than just watching by the sideline, pursuing a career in IT, where I could create these technologies seemed much more appealing to me, hence my enrolment at RMIT.

**Career Plans**

**Bo:**

My ideal job has changed from a Security Analyst to potentially a Software Developer/Software Engineer. At this point, I am still interested in Cybersecurity so I am leaving my options open for other roles such as an Ethical Hacker. My career plan has slightly changed where I hope to transition to RMIT’s Bachelor of Computer Science. The reason for this is due to it’s focus on programming and the fact that it is more practical-based instead of theory-based. I’d like to learn majority of the necessary programming skills and languages in this course but I’ll also attempt to complete TCM Security’s Practical Network Penetration Testing (PNPT) Certificate. Ideally with my connections, I can complete an IT internship in my current workplace in either software development or IT security. If offered a more permanent IT position, I’d take that role and continue working until I complete my Bachelors. After graduation, I plan to continue independent study and hopefully work in what would be my ideal job at that point.

**Daniel:**

My plan is to finish this semester of the Bachelor of Information Technology, then to swap to a Diploma of Music (Sound Production), a course also offered at RMIT, following that I will get an Advanced Diploma of Music (Sound Production), of which I’m planning on getting for my own growth as an artist, as opposed to further career options in music, following that a Certificate II in Electrotechnology, a pre-apprenticeship course, and lastly, a Certificate III in Electrotechnology, a course completed while doing an apprenticeship for 4 years as an electrician. After that I will get my license to become an electrician and do that full time.

**Hayden:**

**Russell:**

**Van:**

After graduating with a degree in Information Technology, I intend to work as a data analyst for 1-2 years. I believe that with the current knowledge in probability, my skills in using python libraries such as Numpy and Pandas to carry out an analysis, gives me a good foundation to build upon through work experience and further study. Until then, I plan to refresh on my knowledge regarding SQL, especially the querying side on database management, as well as learn how to use software currently used in the industry, such as PowerBi. Additionally, my ideal job more aligns with a data science title, and consequently, will require me to develop my knowledge pertaining to Machine Learning, data collection of data using different APIs, and many more technical skills that a typical data scientist is responsible for. I plan to acquire this knowledge during my work as a data analyst. Regarding how I will obtain these skills, the more easily acquired ones will be through independent study, using online sources and learned through practically application. The more technical and harder to acquire skills will be learnt through an amalgamation of online courses, online resources, reading textbooks, and polished through practical projects that are conducted individually.

**Tools**

**Project Plan/Description**

**Scope and Limits**

Firstly, it is important that we recognise the restraints that we have, coming into this Assignment. The development of a productivity App would require significant resources in developing the front-end and back-end of the software. The creation of a fully functioning front-end would require resources in coding HTML/CSS, which the team commands a basic understanding of the fundamentals. The use of JavaScript would also be important, considering that our project idea is a web-based application, requiring the use of JavaScript Libraries such as React. Considering that only 1 member has experience using this Library, in conjunction with the time restraint of less than 1 month to work on this Assignment, the team has unanimously agreed to opted out of producing a web-based application, favouring the option of produce a functioning prototype in lieu of this decision.

Additionally, only 1 member is well acquainted in PHP for the back end, proceeding with creating a functional web-application would require a significant amount of work from the two members, rendering in an unfair amount of work distributed.

Designating members as front-end and back-end developers would require them to learn specific languages, libraries, and how to use them to a degree where they can contribute evenly to the development of the project would be unfeasible, as the learning curve far outweighs the time we have.

From out Assignment 2 Project Idea Description, we intend to prototype and develop a mock-up regarding the main features which include:

• Notepad

• Whiteboard

• Calendar

• Sticky Notes

• Roadmaps

• Overview Pages

• Document Uploading

• Channels

• Direct Messaging

We will be ignoring the extra features in this iteration of the development. The omitted items include:

• In-built Media Player

• In-built contact book

Furthermore, the use of Proto.io as our application to implement our features also needs to be addressed. Proto.io is very useful for simple prototyping projects. Where it comes short, is when complex arguments and conditional statements are needed to be implemented. As this prototyping tool does not support the use of if statements and simple logic, it is extremely difficult for use to be able to fully envision our project with Proto.io. However, due to the time constraints, amalgamated with our limited abilities in software development, we have further revised our expectations in the scopes and limits. Functionally, we are still aiming to provide the same experience as if one were using a fully developed application. For instance, for the Sticky Notes function, we intend to provide the user with the experience to type on a note, create a new note and delete an existing note. However, because of not being able to utilize conditional logic, we will cut some of our functions short, in terms of what we can present as well as make compromises regarding the ways we implement some features.

**Skills and Jobs**

**UX & UI Designer**

BlockMarket is the next big thing in the space of project and productivity management applications. Our organization aims to help businesses and individuals visualize objectives in an easy to use, easy to understand manner. We are always incorporating innovation in our business; from new features to contemporary designs to meet current market demands.

**The position:**

We are looking to expand our product to a website platform and are looking for talented **UI/UX Designers** to help with our product design. Your role will be to is to deliver the user experience of our web product to the customers. You will be utilizing standard practices in UI/UX in developing wireframes, mock-ups, and user stories in developing the website. You will be working together with internal and external stakeholders in meeting business objectives.

**As a UX Designer, you will:**

* Work with different stakeholders including Product managers, marketing, and engineers
* Develop wireframes, prototypes, and mock-ups to visualize our product
* Develop well-written, in-depth user stories
* Adhere to Agile framework in designing the UX and UI
* Strong communication skills when presenting to stakeholders
* Learn and apply the best design practices from up-and-coming design developments
* Iterate through design models based on customer feedback in an Agile manner

**Skills and Experience:**

* Have a degree in Design or related field
* Previous Experience in UX/UI Design, desirably with web applications
* Proficient in Figma or other online collaborative design tools
* Have an understanding of CSS, HTML and Javascript
* Ability to interpret business needs to design outcomes
* Strong communication skills and proven ability to collaborate with internal and external stakeholders
* Understanding of User-experience, desirably with web applications
* Understanding of working with the Agile framework
* A proven track record of knowledge on Usability testing

**Why choose BlockMarket?**

We are a small, but growing team that strives to develop an environment where everyone feels valued, comfortable, and respected regardless of their background. We have a great work-life balance orientated approach to management where we put our employees first. We also offer work-from-home arrangements as well as career development opportunities.

**Advertising Specialist**

**About BlockMarket**

We are a new tech upstart looking to bring a breath of fresh air to the productivity software industry. We aim to develop a platform that makes organising work a simple and easy experience. We are passionate about what we will bring, determined to make an lasting impact, and help others grow and thrive.

**About the role:**

We have an amazing opportunity for an Advertising Specialist to join our growing team in a permanent full-time position. Do you have a passion for media, client service and want to be part of a new exciting change?

Who we are looking for:

* 1-2 years proven work experience in social media advertising (LinkedIn, Instagram, Facebook)
* Capable of working independently and autonomously
* Excellent communication skills
* Strong organisation and time management skills
* Great work ethic and desire to grow with the organisation
* Comprehensive understanding of digital & web marketing
* Experience developing and deploying successful ads
* Experience with Salesforce/Google/Adobe Analytics desirable but not essential
* Bachelor of Communication/Media desirable but not essential

Role duties:

* Stay up-to-date on the latest digital market techs and trends
* Conduct workshops and market research to develop high performing and innovative social media advertisements
* Develop strong relationships with investors and clients
* Maintain advertising KPIs across social media channels (LinkedIn, Instagram, Facebook)
* Communicate and work with members of the team such as the project manager, software engineer, and UI/UX designer.
* Use data analysis software such as Google/Adobe Analytics to identify market trends

**Why choose BlockMarket?**

Here at BlockMarket, we strive to create a culture where our staff feel safe, valued, and comfortable. We offer exciting and challenging work that greatly rewards you for your passion and dedication. We offer flexible work-from-home arrangements as we believe everyone should have a healthy work-life balance. We have an interest in growing our team and therefore we are also invested in your development. We offer career development opportunities, on-going development support and will work with you to create a personal development plan. When you join us, you will be supported so that you can thrive and become the best person that you aim to be.

**Project Manager**

**About BlockMarket**

Block Market is a start-up creating a productivity app for the masses, our goal is to allow work to be organised by individuals or companies in a way that is intuitive and easy to understand, yet very powerful and capable of assisting those who use it in making the most out of their work.

**About the position:**

We are looking for a project manager to lead our team to ensure that this project can become realised to its full potential, this means overseeing the progress of the creation of our application to ensure that it is running promptly and without straying too far away from the resources at our disposal.

**Roles & Responsibilities:**

* Managing a team, of developers, designers, and programmers to ensure the project remains on track
* Anticipate potential problems and come up with contingencies to work around them
* Maintain positive, professional relations with stakeholders and set correct expectations
* Identifying risks and managing them to ensure the project moves along smoothly
* Monitor the progress of the project to ensure consistent headway is made

**Requirements:**

* At least 4 years of experience working as a project manager.
* Good commutation skills; must be able to direct and communicate information to multiple departments effectively.
* Technical literacy in languages like HTML, JavaScript, SQL
* Experience managing projects involving IT
* Ability to take charge of the situation
* Resilience against potential problems and setbacks
* Organisational skills and detail-orientated

**Why choose BlockMarket?**

Here at BlockMarket, we like to practice what we preach and make sure each employee is reaching their full potential, and we believe the best way to achieve this is by creating a positive workspace for everyone, this means a healthy work-life balance, working from home opportunities, and an overall supportive environment. We also want to make sure that all of our staff grow and develop their skills while they’re employed here.

**Feedback**

**IT Technologies**

**Bibliography**