**Tools and Technologies**

**Hardware required for the project**

Processor (CPU) with 2 gigahertz (GHz) frequency or above

A minimum of 2 GB of RAM

Monitor Resolution 1024 X 768 or higher

A minimum of 20 GB of available space on the hard disk

Internet Connection Broadband (high-speed) Internet connection with a speed of 4 Mbps or higher

Keyboard and a Microsoft Mouse or some other compatible pointing device

Sound card

Speakers or headphones

Strongly Recommended - Microphone and Webcam

**Browsers:**

Chrome 36+

Edge 20+

Mozilla Firefox 31+

Internet Explorer 11+ (Windows only)

Safari 6+ (MacOS only)

Google Chrome version 42+ and Microsoft Edge do not support NPAPI-type plug-ins, including Java plug-ins and many media browser plug-ins. Blackboard does not support these browsers for use with media that require NPAPI plug-ins for viewing.

**Browser Configuration:**

**Your browser must be configured as follows:**

Strongly Recommended

JavaScript must be enabled

Cookies must be enabled.

Pop-up windows must be enabled.

**Operating System:**

Windows 7, Windows 8 or Windows 10

Mac OSX 10.8, 10.9, 10.10 or 10.11

<http://www.cameron.edu/online/systemreq.html>

**What software or other tools are required by the project?**

Woolworths/Coles API

Eclipse IDE (Java)

Atom/Notepad++/sublime for writing HTML/JavaScript

Office 365

Windows 10 product keys

GitHub

Amazon Web Services

Cloud flare

MYSQL

MongoDB

Excel

GoDaddy

**Are there any software licenses needed**?

Coles and Woolworths API (Application programming interface) office 365, Amazon Web Services - hosting services (Paid Service), Windows 10 product keys, Cloud flare and MongoDB

**Brief description of any prior experience any group members have had with the tools and technologies you list**

**Doug**

**HTML/CSS3**

I have had many years of on and off again experience with HTML dating back to when I was in school and used the internet for the first time on Netscape navigator. I have produced a few websites professionally and would say that I have a very good understanding of HTML 5 and CSS3.

**GitHub**

I am a new user to GitHub; I have only been using it professional for the last 12 months. There is still a lot of features that I have a limited amount of knowledge on, but I can use it comfortably in a professional setting.

**Atom/Notepad++**

I have never used notepad++ but Atom I use all the time and is my go-to editor for writing HTML and CSS. I have used Atom for 3 years now and do not think that I would change unless I had to for a specific job or employer.

**Office 365**

I do not use office at all, I have some experience in this set of application when I completed Cert III in business but other than that course, I do not use it at all.

**Eclipse**

I have limited experience in using Eclipse as I have only been using it for the last 12 months, I have used it a long time ago when I was in school but not enough to retain any knowledge.

**Windows 10**

I have used Windows 10 and other versions a lot and can say that I have a high working knowledge of this product, it is not my go to Operating System, but I do enjoy it over the other mainstream systems.

**Matt**

**Woolworths/Coles API**

Nil

**Amazon Web Services - hosting services (Paid Service)**

I have been using AWS for the last several months to host the domain for the website I am currently developing for work. www.bigplay.store

**Cloudflare – Web Infrastructure and security (Paid Service)**

Cloudflare has been used in tandem with AWS to provide the security and infrastructure to the website. It has excellent DDOS protection and makes forwarding and dns management very easy.

**GoDaddy – Domain registrar (Paid service)**

GoDaddy again is a domain registrar I have been using for a long time when organizing hosting and/or domain registration for clients.

**MongoDB – Database (Paid Service)**

I have a significant amount of experience with database management and administration, whoever, this only extends to MSSQL and MYSQL. I have not yet utilized mongo dB, but it is the platform of choice for many larger web-based applications looking to use cloud databases, which in this case, applies to this project.

**Eclipse IDE (Java)**

Fairly extensive use of this IDE across a few languages.

Atom/Notepad++/Sublime Text 3 for writing HTML/JavaScript

Sublime text is my choice of these, and I have used Sublime for many years.

**Office 365**

Office is something I spent much of my previous job role working with. My experience with Excel is extremely extensive.

**Sean**

**Office 365**

I have used Office 365 for a few years now within professional sectors and home use.

**Sublime Text**

I only started using Sublime text editor these past couple of months I have had no prior experience using a text editor.

**GitHub**

I have only used GitHub these past couple of months I have had no prior experience.

**Woolworths/ Coles API**

No experience using an API

**Eclipse IDE**

I have had no experience using Eclipse IDE. I will start using this tool when I start doing the intro to programming course.

**Notepad ++/ Atom**

No experience using Notepad, but I am looking to get using this program. The same applies to Atom.

**Windows 10/professional**

I have years of experience working with Windows operating systems. Over the past couple of years, I have worked with Windows 10 and Windows 10 professional version.

**John**

**GitHub**

I had never used GitHub before to work with any projects although I did have a GitHub account and through my career as an IT professional.

**Notepad++**

I have used Notepad++ for several years as I found its’ default syntax highlighting and code formatting to be very helpful.

**Office 365**

I have used Office 365 for several years, not just the Office 365 client suite but other Office 365 services such as Share point.

**Eclipse IDE**

I haven’t yet used this product as I have not yet reached a programming stage of my coursework

**Woolworths/Coles API**

While I am familiar with APIs as a concept and have used various software packages or tools that use APIs, the process of implementing a use case myself has not yet come about.

**Amazon Web Services - hosting services (Paid Service)**

I have no experience with this service although I am familiar with the Azure platform that is offered by Microsoft as I use it in a corporate sense

**Kyle**

**Eclipse IDE**

I have actively used eclipse for about 2 months

**notepad++**

I have used this text editor actively for 2 months,

**office 365**

I have used this tool for years, before it was a subscription-based model,

**GitHub**

I have used this tool for 2 months and no experience with the other tools.