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LMQf353S5

ITJA211 Assignment

Table of Contents

[Question 1 2](#_Toc36720781)

[Bibliography 3](#_Toc36720782)

# Question 1

* Cross-Functionality and portability: Programs written in java can run on most desktops, embedded systems and mobile devices thanks to its Java Class Library which allows cross-platform development. In ENS’ case, this can prove useful to customers who wish to access their system through either a desktop with Linux or Windows or with a mobile device that has IOS or Android as its operating system. (Rongala, 2015)
* A mature language: This means it is more stable and predictable which makes it more reliable. This is good businesses that need reliable applications. (Rongala, 2015)
* Forward compatibility: Older java programs can still operate in later versions of its runtime environment. This means a business can upgrade their systems without having to reprogram their existing software. (Rongala, 2015)
* Java can allow multithreading. A thread is the smallest unit of processing to fully utilise the CPU time. Multithreading allows switching to take less time which reduce latency. If one thread throws an exception it will not affect other threads. This is mostly used in graphic intensive applications. (altexsoft, 2018)
* It has a community that a developer can reach out for any coding problems or can borrow a custom library that another developer created. (altexsoft, 2018)

# Bibliography

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* Rongala, A., 2015. *Benefits of Java over Other Programming Languages.* [Online]   
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  [Accessed 28 February 2020].