

Memorandum

To: Manager's Manager

From: Manager

Date: September 8, 2018

Subject: Programming language for super-hot project

Java is the best language for this project because the object-oriented nature of the language allows for easy and clear structure design. The strongly typed component ensures that code is robust and catches more errors in compilation that may otherwise be caught during runtime. Java does not require the author to manage memory due to the garbage collector. Java has support for standard in and out and has libraries to assist. Java has support for tcp/ip sockets. It has an extensive base library and readable, English-like syntax. There are automated testing capabilities through jUnit tests. Java has capability to read and write JSON objects. We plan to develop Java in IntelliJ IDE because it has extensive Java support and makes writing code much easier. Java Swing provides easy to use GUI capability. Java ClassLoader allows for dynamic code loading. Java programs can be deployed on Linux machines, and it is consistent across platforms. Because Java has been around for so long, there is a lot of support for the language and many problems already have workable solutions. For these reasons, Java will be the best choice for to complete this project with speed and quality.