

To: Manager

From: Luke Bakker, Jack Loar

Date: September 8, 2018

Subject: Programming language for super-hot project

We chose Java as our preferred language primarily because it is the language we are most familiar with. We both worked with Java in Fundamentals II and in Object Oriented Design. Jack worked extensively with Java during his co-op. Java does not required the author to manage memory due to the garbage collector. Java has support for standard in and out. It has an extensive base library and straightforward 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. For these reasons, we think Java will be the best choice for us to complete this project with speed and quality.