To: CS 4500 Professors
From: Joseph Mullally and Mark Preschern
Subject: Assessment of Our Experience in Java
Date: 9/23/20

We struggled with some of our assignments, but we found that Java has fantastic documentation and helpful libraries that would make it an excellent choice for the course's project. We give a letter grade to java for each category required by the assignments.

Assignment B required us to utilize the command line. Java can easily handle command line arguments as it is directly connected to the main function that allows jar applications to run. There was no issue regarding Java for Assignment B, so we give it an A in this category.

Assignment C required us to take in an input stream of json values, parse them and output a JsonObject and JsonArray. There are tools in Java that allow us to easily process an input stream, but parsing Json was much trickier. We had difficulty finding a library that could do everything we needed. We are giving Java a B in this category.

For Assignment D, we knew that Java has a fantastic GUI toolkit with Swj g that both of us had experience using. Swing was easily able to achieve the requirements and was simple to use. The only issue we had with Swing is that it is incredibly verbose even when it doesn't have to be. We give Java's GUI toolkit support a B+.

Assignment E required us to create a TCP connection between two ports and run our process. We had no issues establishing TCP connections, but had major difficulties running processes and making sure that we were able to stop them. We found that running processes in Java isn't very intuitive, so we had a hard time debugging it. We give Java's ability to meet the requirements of Assignment E a B.