

Vedant Bhagat and Antonis Vekios

DS4300 HW1 Analysis

API Method	API Calls/Sec
postTweet	355
getHomeTimeline	853

Hardware configuration

Antonis:

CPU: 2.9 GHz 6-Core Intel Core i9

RAM: 32 GB

Vedant:

CPU: 1.5 GHz 4-core Intel i5

RAM 8 GB

Software stack

RDB: MySQL 8.0

Programming Language: Java

Since we utilized secondary indexing, this required more intensive effort when posting a tweet which declined how many tweets we were able to post per second. However, this did help when we retrieved a user's home timeline as we were able to do process many quickly at about 853 a second. The high powered cpu and fast RAM may have helped process the data quicker which artificially improved our code's performance due to the specs of the computer the code ran on.