**MongoDB Homework**

Data: Download data from the link[Links to an external site.](http://snap.stanford.edu/data/amazon/productGraph/categoryFiles/reviews_Electronics_5.json.gz) ( [http://snap.stanford.edu/data/amazon/productGraph/categoryFiles/reviews\_Electronics\_5.json.gzLinks to an external site.](http://snap.stanford.edu/data/amazon/productGraph/categoryFiles/reviews_Electronics_5.json.gz)). After extracting you will get a “.json” file. The description of the data can be found in the link[Links to an external site.http://jmcauley.ucsd.edu/data/amazon/ (Links to an external site.)Links to an external site.](http://jmcauley.ucsd.edu/data/amazon/).

For this assignment, you must run different queries on **MongoDB**using this dataset.

Part 1:

\* Download and Insert this dataset to a MongoDB collection under a database.

\* Use ‘OR’ operation to show only the ‘summary’ and ‘overall’ columns with overall rating 1 or 3 or 5.

\* Use ‘AND’ operation to show only the ‘reviewerName’ and ‘overall’ columns with overall rating less than 4 (use $lt) and greater than 1 (use $gt) and sort the result by the ascending alphabetic order of ‘reviewerName’.

Part 2:

\* Find the 'reviewText' that have the word 'awesome'.

\* Find the 'summary' that have any characters apart form 'alphanumerical characters' and 'space'.

\* Use $nin operator to show only the ‘summary’ and ‘overall’ columns where overall rating not in 2 and 4.

\* Show only the 'reviewerID', 'asin' and 'reviewerName' column with the ascending order of 'reviewerID'. Show only first 10 result.

Part 3:

\* Group by ‘reviewerName’ to show the minimum ‘overall’ rating they posted. Show only 10 results.

\* Group by ‘helpful’ to show the ‘total number’ of entries found for different ‘Helpful’ data, sorted by ascending order of the ‘total number’.

\* Find the count of data where 'unixReviewTime' greater than a certain value (try different values of 'unixReviewTime' from the dataset to see if the result changes. Submit any of the result you got for your input value of 'unixReviewTime').

[\*Note: You may need to handle the errors generated due to memory outage. Search how to “index a column” and how to use “allowDiskUse” command to handle those errors.]