INFO 6210
Data Management and Database Design
Convert Assignment 2 SQL database to NoSQL
Assignment 3

Professor: Nik Bear Brown

Due: Monday April 9, 2018

Convert Assignment 2 SQL database to NoSQL

In this assignment, you will be converting your assignment 2 SQL database to NoSQL. The converted database must have all of the domain related data in your assignment 2 SQL database. Any relational tables that are a product solely to fit the relational model need not be transferred. You can use any NoSQL database but MongoDB is recommended. The NoSQL database must answer the same questions as the SQL database.

Groups

This assignment can be done in groups of up to three.

Design Requirements

Your submission must include:

- o   Sample data.
- o   Data from social media sites.
- o   Code for all of your inserts and queries.
- o   Any code and scripts you used.
- o   The TAs must be able to use execute the code.
- o   A brief README document explaining all of the files, the tests and their results and code.

Scoring Rubric

Your database must answer the following questions:

- o   (25 points) What are tags are associated with a person, place or thing?
- o   (10 points) What social media users are like other social media users in your domain?
- o   (10 points) What people, places or things are popular in your domain?
- o   (25 points) What people, places or things are trending in your domain? (A trend is popularity over time.)

Further:

- o (10 points) You must test that you can retrieve your data by implementing all of the use-cases in that you created in all of the assignments so far.
- o (10 points) A description of the design choices you made in converting your SQL Schema that makes sense.
- o (10 points) A brief README document explaining all of the files, the tests and their results and code.

Submission of Assignments

Your submission should be a zip file with all of the required work. You will submit your assignments via BlackBoard. Click the title of assignment (blackboard -> assignment -> <Title of Assignment>), to go to the submission page. You will know your score on an assignment, project or test via BlackBoard. BlackBoard represents only the raw scores. Not normalized or curved grades. . You MUST include your and group name or your name the name of the zip file you upload.