Three: Show Tracker Database

A group of people have decided they need a database to track all the music shows that occur in the clubs around town. There is no one place to find all the information and they often find that they just missed a show they would really have liked to see.

The Scope.

The database should track all the venues in town where the shows occur. It should also track all the shows at each venue. Show information should contain the venue, the times, ticket information and a list of all the artists at the show. Ideally it should also contain a description of the music and any age restrictions. It would be good if a user could search by venue, by date, by artist, by type of music. A user should be able to register and get announcements of shows with artists they want to follow. Registered users should also be able to review shows and venues.

Business Rules

The goal is to get venues to add their own shows, otherwise they should be added only by a database administrator.

Users should be able to register and list the artists they want to follow.

Registered users can review shows and venues.

Every review must have a numeric rating of 0 to 5.

Other

It was decided that this was best as a NOSQL database. They decided to go with MongoDB.

Tasks

1. Define who the stakeholders in this database are.
2. Write a brief narrative for each stake holder describing how they would use it.
3. Define the security requirements for the database
4. Define the requirements for the database.
5. Present the requirements to the class for feedback.
6. Define the data collections and define the basic JSON configuration of the data
7. Present the configuration to the class for review
8. Create the database in MongoDB.
9. Enter test data and run SQL queries to test the requirements.