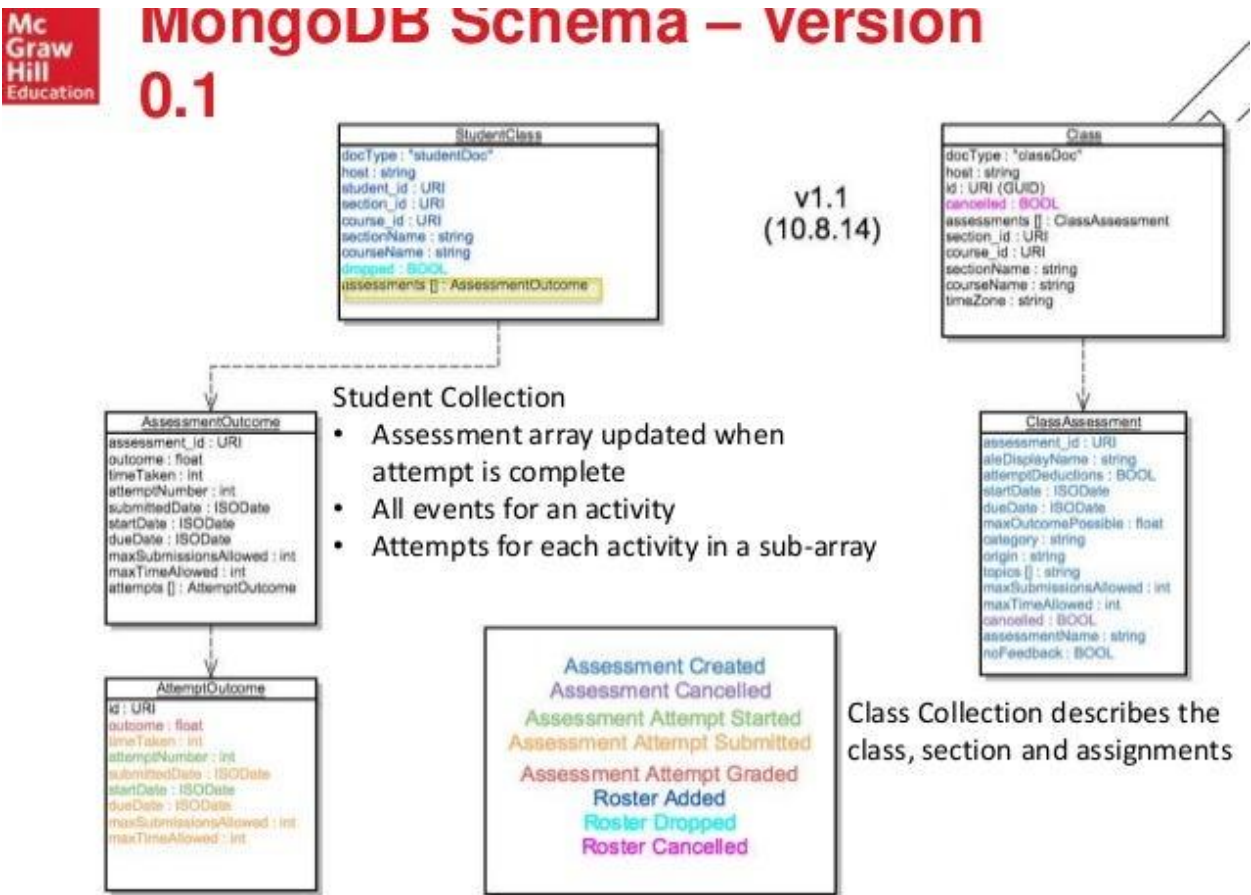**NoSQL Reflection Activity: Document-Based NoSQL in a Student Management System**

   On executing our Student Management system, One notable thing went into our mind on utilizing a NoSQL approach to our SMS is student activity tracking such as login history or even learning progress of the students. These types of data are usually unstructured or can be semi-structured while also having variation on format and frequency, these reasons and structure conditions makes it ideal for a NoSQL solution like MongoDB.

Using a document-based NoSQL database, each student's activity log could be stored as a single document containing nested fields.

This illustration "MongoDB & The McGraw-Hill Education Learning Analytics Platform", discusses building a platform that collects crucial student data like student's homework, quizzes and test then storing it on MongoDB. The platform also provides us visual aids that helps both the student and teachers to trach the progress in a class.

   Overall, I think as a team we both have many Insights and ideas that we want to integrate on this system and the utilization of MongoDB may be helpful to smoothen out our backend logic and structure and ensuring that the SMS system not only has excellent functionality but also the convenience and hassle free of monitoring the student's progress and data without too much complications.

References:

https://www.slideshare.net/slideshow/mongodb-the-mcgrawhill-education-learning-analytics-platform/49002096