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Assignment 5.1

Web 335

Prof. Krasso

Inserts are a the basic method for adding data to MongoDB. Multiple documents can be inserted at a time in MongoDB using bulk insert operation where an array of documents is passed to the insert method as parameter(journaldev). Before getting into it, it is important to note that ff an error occurs during the insertion at a certain point, the insertion does not happen for the remaining documents. I found two ways of inserting bulk data into a NoSQL database. According to the textbook, we would need to use the “insertMany” function where an array of multiple records can be passed. However I was also able to find a resource online that uses jus the “insert” keyword function instead of “insertMany”. When it comes to errors, it depends on wether the data was written as ordered or unordered as to what happens with the process. With unordered, the only documents that fail to upload are the duplicates (Bradshaw).

Regarding duplicate records, the text states that the latest or newest data inserted will update the old data. That is, if the same record is inserted twice, the latest record is recorded. Tutorials Point however had a solution to duplicate records. They advise to create an index with “createIndex” function. I understood this to be sort of a schema that predetermines what data can be inserted into the collection.

Query conditionals are when we attempt to query the database within a certain condition. Simply < is $lt, > is $gt, <= is $lte and so on. There are other conditionals like or and not. Example: lookup all the users except with the name “John” using $ne operator.

db.users.find({“username” : { “$ne” : “John”}})

Reference List

Bradshaw Shannon, Braxil Eoin & Kristina Chodorow. “MongoDB The Definitive Guide Third Edition.” O’Reilly Media, Inc. December 2019.

Pankaj. “MongoDB Bulk Insert – MongoDB insertMany.” Journal Dev, Accessed 15 April 2020

<https://www.journaldev.com/6318/mongodb-bulk-insert-insertmany>

Tutorials Point. “Avoid Duplicate Entries in MongoDB?” tutorialspoint.com, Accessed 15 April 2020.

<https://www.tutorialspoint.com/avoid-duplicate-entries-in-mongodb>