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Web 335

Discussion 3.1

A document database is a non-relational database, with documents being the atom of data in the database. Documents make up collections, which make up a database. (mfschulte222, 2014). The format that documents use to store data could be JSON, XML, BSON and more. BSON is the binary form of JSON. You do not need to follow a set of schemas to store documents in your database. Document databases allow nested values, a more complex data structure to be stored. A document here is a row in a relational database.

A collection is made up of more than one document. These documents can be of different a structure, meaning they can have different values for their fields. They have the same purpose which is why they are in a collection. The collection is to non-relational database as a table would be to a relational database.

Relational database store their data in rows and tables with a fixed data structure. All data has to fit within those rows and tables in order to stay in that database. With non-relational database, data can have different row values and still be in the same collection(table). Thus, the word, non-relational, because your data is not related to each other if you want it that way. Relational databases are not good for storing complex data structures because of their rigidity in schemas, but they are good at handling queries and transactions. No multimedia or designs stored on relational databases. It would take expensive upgrading to include multimedia on a relational database. Whereas non-relational databases welcome complex data forms and different kinds of data like multimedia and designs. It works great with large sums of data. (Wu, 2018)

References

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