Document Database

- Non relational DB that stores data as structured documents, typically JSON
- Simple, flexible, scalable

JSON

- Collection of name/value pairs (dictionary, hash table)
- Value itself that is some sort of ordered list (vector, list, sequence)

BSON

- Binary encoded serialization of JSON like document structure - how it acc stores
- Adheres to structure of JSON but ni binary format, you lose human readability

XML

- Preceded JSON as data exchange format
- Structurally similar to HTML but tag set is extensible

Do not need to know XML related tools/technologies for exam
Document databases

- Designed to avoid joins b/t collections & tables
- Address impedance mismatch b/t object persistence in OO systems and how relational DBs structure data
- Examples:
    - Amazon filters are specific to what you're looking for
    - Have to encode that into a database… this subset of products has these filters, is very challenging

MongoDB

- Database composed of collections, within each there're individual JSONs documents
- No predefined schema requirements for documents

MongoDB features

- [look up]

Interacting

- Mongosh -> CLI tool for interacting w/ MongoDB instance
- MongoDB compass (GUI to work with MongoDB)

Instructions from Mongo Compass

- Don’t import embedded movie data
- Import each of those files into a new collection