Database Management
NoSQL DBMS

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- Difficulties in horizontal scaling

- Incapability in dealing with unstructured data

NoSQL DBMS

- Refers to any DBMS that doesn't employ the relational model

- There are several operational data models associated with the NoSQL concept.

Operational Database Model	Example DBMSs
Key-value store	Redis, MemcacheDB
Columnar database	Cassandra, Apache HBase
Document store	MongoDB, Couchbase
Graph database	OrientDB, Neo4j

Characteristics of NoSQL Databases

- Typically designed to maximize availability at the expense of consistency

- Aims for eventual consistency

- A better choice for storing semi-structured and unstructured data
  - it is up to the database administrator to define how the data should be organized and accessed in whatever way makes the most sense for their application

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