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Advantages/Disadvantages of using MongoDB over RDBMS for the Project

Advantages:

* MongoDb provides a schema-less structure that gives flexibility in assigning schema for products having different attributes. This helps the product attributes to evolve without changing the schema.
* As the catalog grows, the database can be sharded across multiple nodes. Individual category can be on sharded on to multiple nodes. This will also help to increase the performance of search across multiple categories.
* Native replication support in MongoDb ensures high availability during horizontal scaling.
* MongoDB uses memory-mapped file, which allows the operating system to bring pages into main memory. This decreases the time required to satisfy the request.

Disadvantages:

* Since MongoDb doesn't support transactions, inventory management and order placing tables cannot use NoSQL.
* Due to memory mapping, a 32-bit machine might lead mongoDb to exceed memory capacity and skip inserts.