Intro to Databases
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But first! What did we do last lecture?
But first! What even IS a database?

Central Storage for all your information
Why do we even need a Database?
RELIABILITY

Don’t lose all your data if server crashes
PERFORMANCE

Database Engines are highly optimized for speed.
FLEXIBILITY

Change website designs with the same data structure.
FLEXIBILITY

Change website designs with the same data structure.
FLEXIBILITY

Change website designs with the same data structure.
SCALABILITY

Databases are great at ... storing lots of data!
RELIABILITY
Don’t lose all your data if server crashes

PERFORMANCE
Database engines are highly optimized for speed

FLEXIBILITY
Change servers without changing database

Scalability
Store tons of data
How are databases structured?

**SQL (Structured Query Language)** - *Relational*

Enforces structure on your data

**NoSQL** - *Key-Value* (our focus)

No enforced structure

Much more common in JavaScript frameworks (like Node.js)
Ok... so how do you use MongoDB?

Up next!