



Coding
Bootcamps



Intro to Node.js, Express.js and MongoDB

By Kaustubh Ghadge from [Coding Bootcamps](#)

Session Outline

1. What are NoSQL databases?
2. Refresher on Promises
3. What is MongoDB?
4. Why use MongoDB?
5. Installation
6. Fundamental Concepts of MongoDB

Hello!

**I am Kaustubh Ghadge
("KG")**

A senior instructor at
coding-bootcamps.com



Recap

An overview of what we discussed in last 3 sessions

1.

**What are NoSQL
Databases?**

NoSQL

- A NoSQL (originally referring to "non SQL" or "non relational") database provides a mechanism for storage and retrieval of data that is modeled in means other than the tabular relations used in relational databases.

2.

Refresher on Promises

Promises

- A promise is commonly defined as a proxy for a value that will eventually become available.
- Promises are one way to deal with asynchronous code, without getting stuck in callback hell.

3.

What is MongoDB?

MongoDB

- MongoDB is an open-source, document database designed with both scalability and developer agility in mind.
- Instead of storing data in rows and columns as one would with a relational database, MongoDB stores JSON documents in collections with dynamic schemas.

4.

Why use MongoDB?

Seriously, Why?

- Structure of a single object is clear.
- No complex joins.
- Deep query-ability.
- MongoDB supports dynamic queries on documents using a document-based query language that's nearly as powerful as SQL

Document model

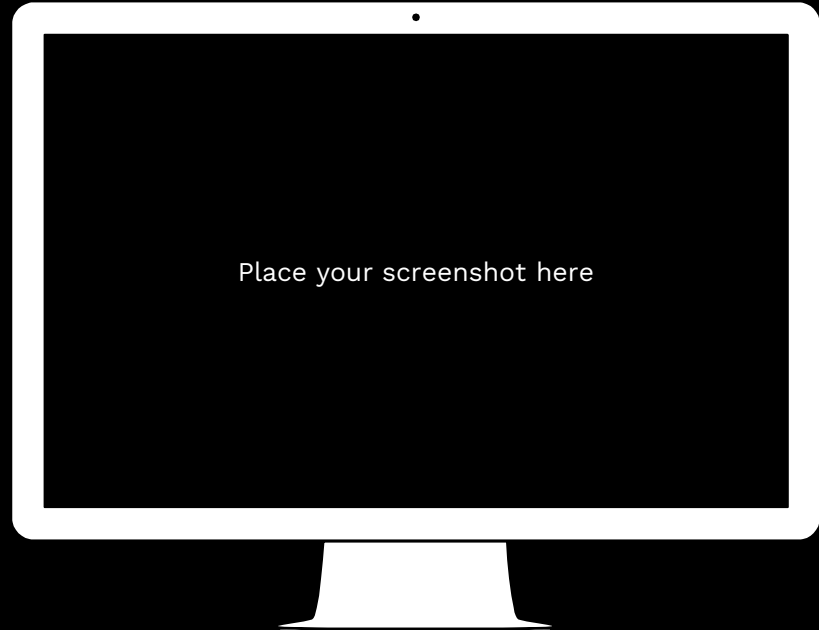
- MongoDB's document data model makes it easy for you to store and combine data of any structure, without giving up sophisticated validation rules, flexible data access, and rich indexing functionality. You can dynamically modify the schema without downtime – vital for rapidly evolving applications.

5.

Installation

Let's Code 10

Setup Atlas and Compass



6.

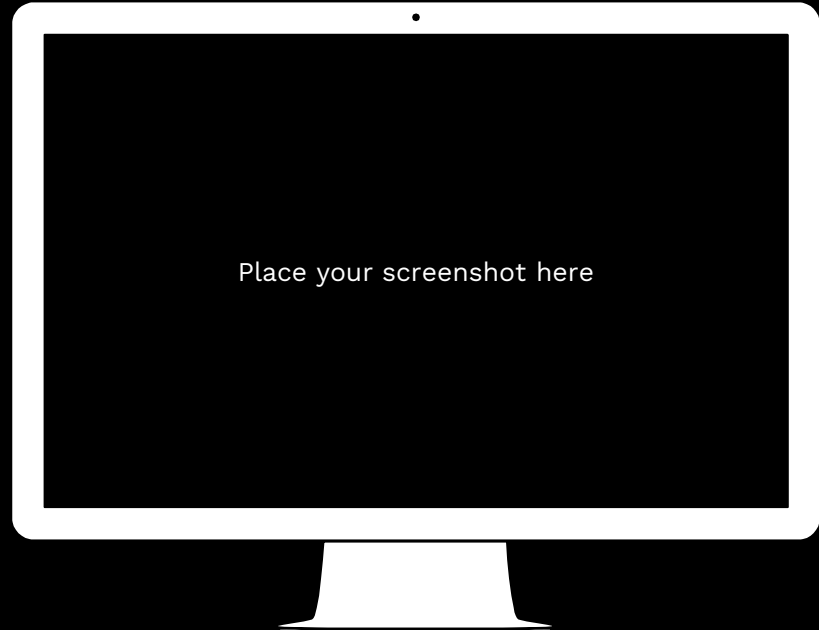
Fundamentals of MongoDB

Fundamentals

- Dealing with Data
- Queries
- CRUD Operations

Let's Code 11

Mongo CLI, Queries



RECAP

MongoDB Training

For in-depth database design and MongoDB coding, visit the below courses:

- [Introduction to Database Design](#)
- [Introduction to No-SQL Database Design](#)

Live Private Coaching Sessions

- [Web design and development tutoring sessions- Weekly and monthly plans](#)
- [JavaScript, jQuery, Node.JS, MongoDB, and Express.JS- Private tutoring sessions](#)

Next Session

Project 1 - Building RESTFUL API Using
Express and MongoDB

More JavaScript Courses

- [Intermediate JS with jQuery, JSON and Ajax](#)
- [Intro to Angular.JS Framework](#)
- [Intro to React.JS Framework](#)
- [Vue.JS Framework](#)

Thanks!

Any questions?

You can find me at

- [@kaustubh_ghadge](https://twitter.com/kaustubh_ghadge)
- kaustubh.ghadge@gmail.com

coding-bootcamps.com



Coding Bootcamps

