BLACKBUCK ENGINEERS

The MERN Development Lab

Session 20 - **MongoDB Fundamentals**

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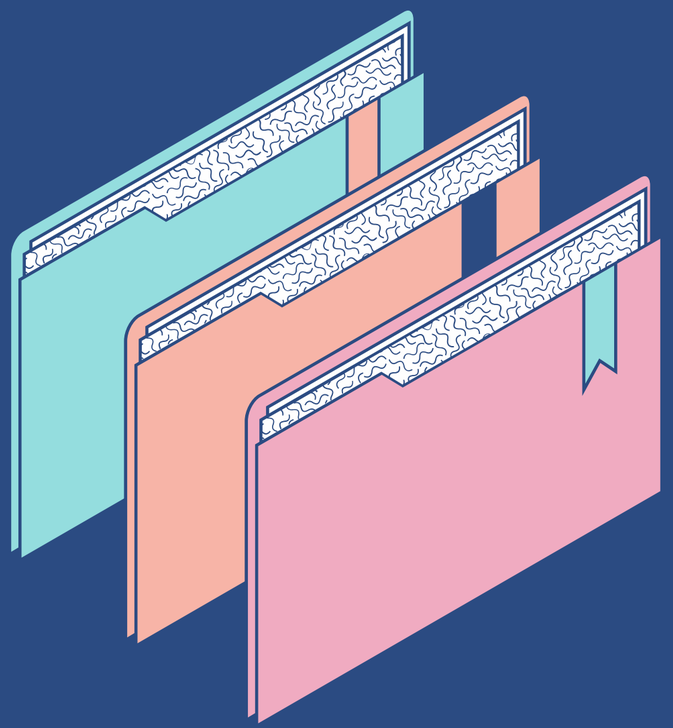
BLACKBUCK ENGINEERS

tabdeelstudios/blackbucks-iidt-internship-full-stack-feb-2024

https://github.com/tabdeelstudios/blackbucks-iidt-internship-full-stack-feb-2024

Application Programming Interface

HTTP Methods



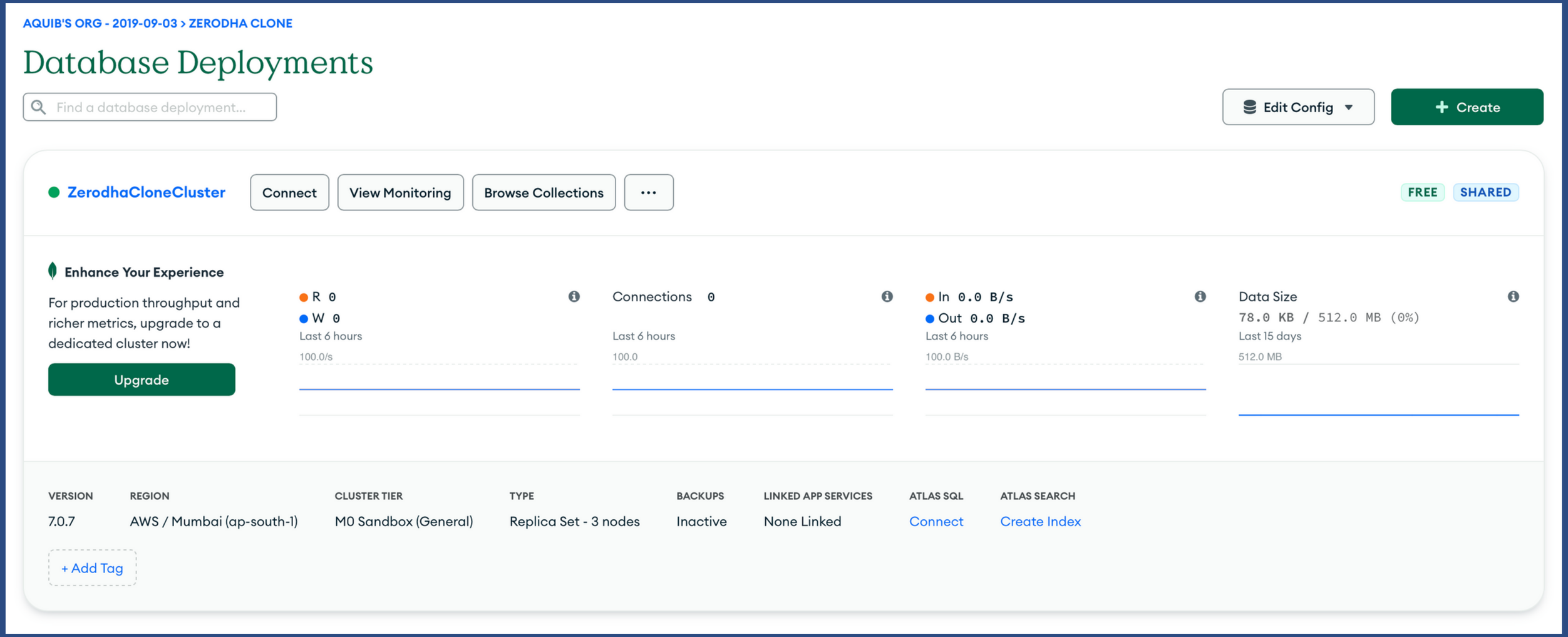
Session Agenda

MONGODB FUNDAMENTALS

- What is MongoDB?
- Setting up a MongoDB Cluster
- Creating Schemas and Models
- Connecting MongoDB with ExpressJS
- MongoDB Express CRUD

What is MongoDB?

Setting up a MongoDB Cluster



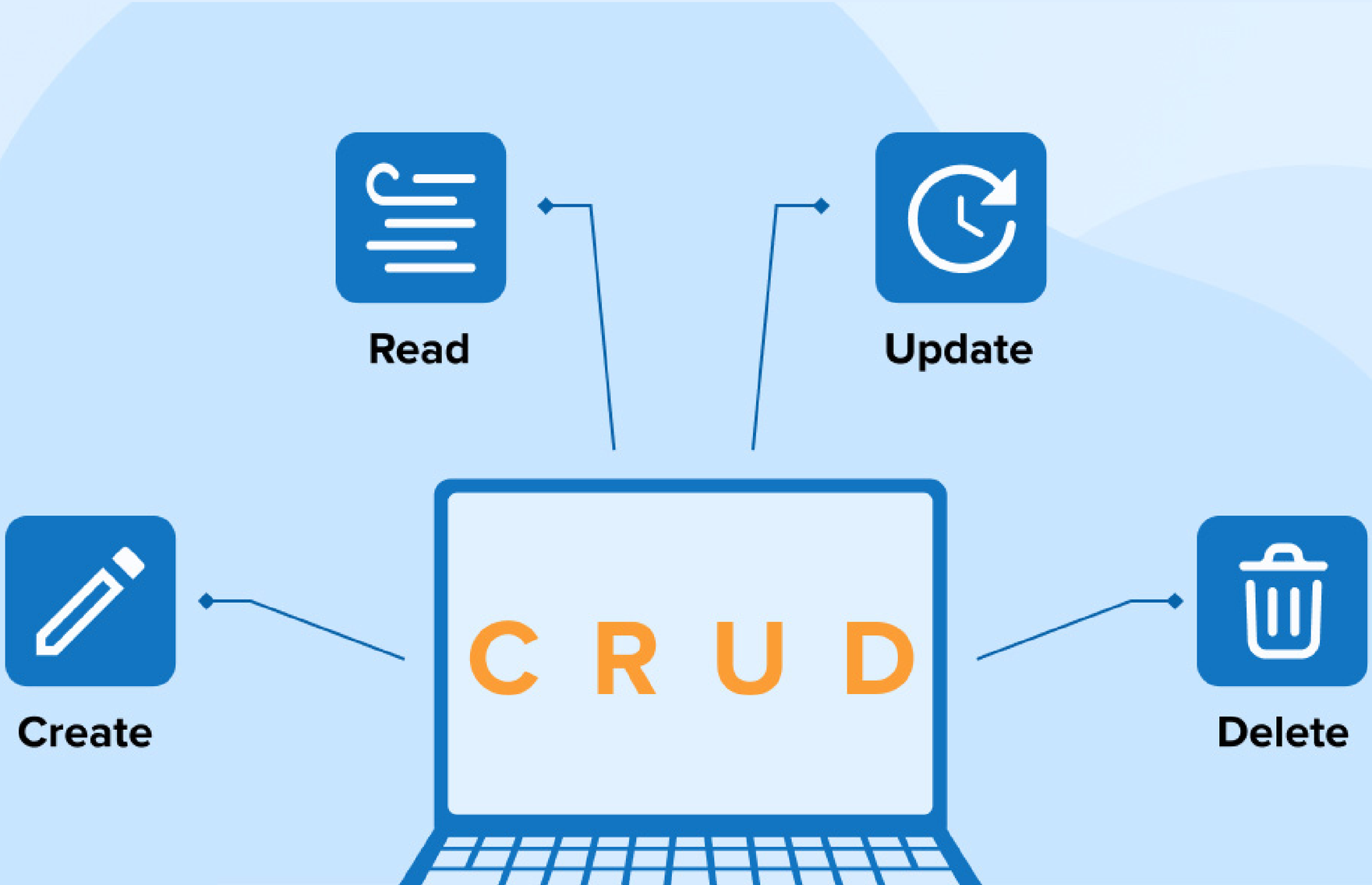
Creating Schemas and Models

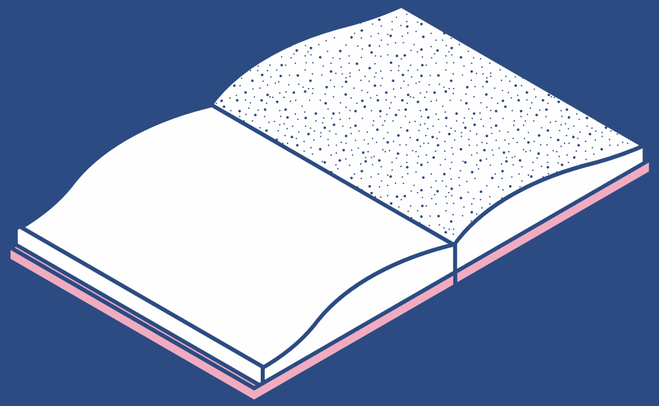
```
const { model } = require("mongoose");

const { OrdersSchema } = require("../schemas/OrdersSchema");

const OrdersModel = new model("order", OrdersSchema);

module.exports = { OrdersModel };
```

```
const { Schema } = require("mongoose");

const OrdersSchema = new Schema({
  name: String,
  qty: Number,
  price: Number,
  mode: String,
});

module.exports = { OrdersSchema };
```

Connecting MongoDB with ExpressJS

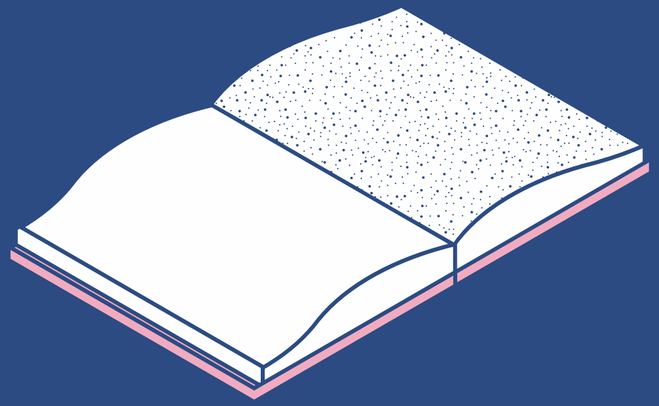
MongoDB Express CRUD





What is MongoDB?

1. A relational database management system
2. A NoSQL database management system
3. A programming language
4. A cloud computing platform



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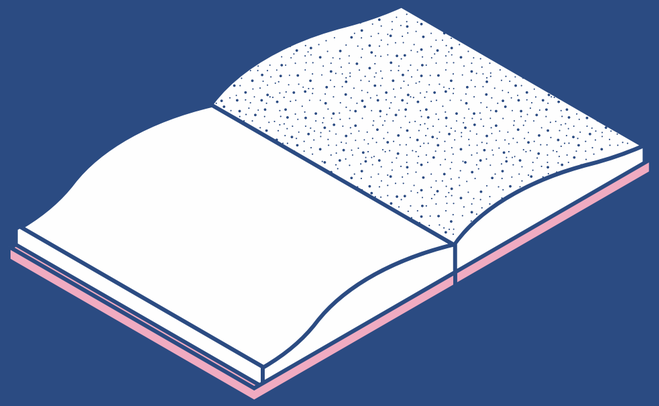
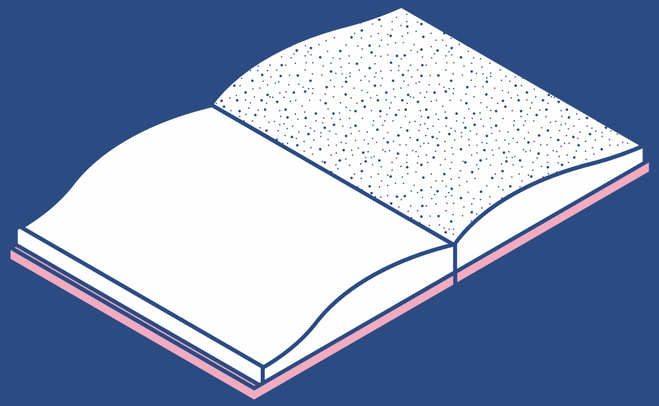


Which of the following is true about Mongoose schemas?

1. They enforce the structure of documents in MongoDB
2. They are not mandatory when working with MongoDB
3. They are only used for indexing purposes
4. They are interchangeable with MongoDB collections



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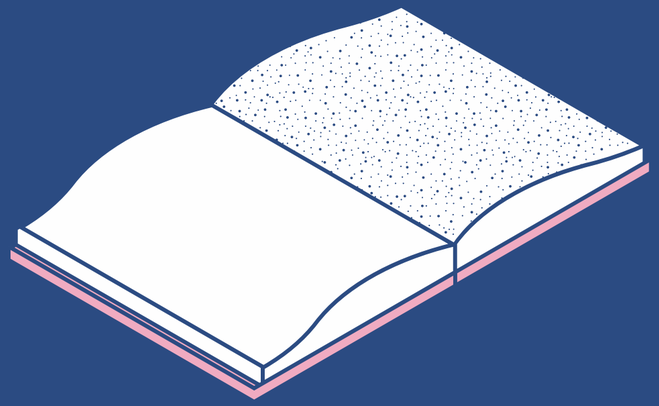
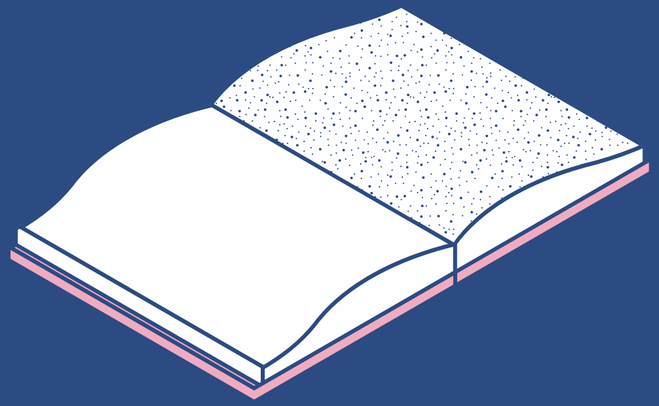


How can you insert a document into MongoDB using Mongoose?

1. By directly manipulating the MongoDB database
2. By using the insert() method on a Mongoose model instance
3. By using the insertOne() method on the Mongoose model
4. By using the save() method on a Mongoose model instance



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