

Clarusway



## Backend Workshop -5-

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### Workshop

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Subject:

- Mongoose / MongoDB

### Learning Goals

- Ability to work with NoSQL databases with Mongoose.

### Introduction

- One of the things a backend developer needs to know is to work with SQL and NoSQL databases. For this purpose, studies will be carried out with Mongoose for NoSQL databases.

### Prerequisites

- We will use the VSCode.
- At the same time, we need to install Nodejs, MongoDB on our computer.

Lets start

**1. What is ODM ?**

Answer:

**2. How to connect to MongoDB using Mongoose ?**

Answer:

**3. What is a Mongoose model, give a simple example ?**

Answer:

**4- What is the difference between findOne() and find() methods in Mongoose?**

Answer:

**5- What is middleware in Mongoose and how is it used?**

Answer:

**6- What is the purpose of the 'populate' method in Mongoose?**

Answer:

**7- Mongoose performs ..... operations on MongoDB.?****8- The 'required' option in Mongoose schemas specifies whether a field is ..... ?****9-To update the properties of a document, we can use the ..... or ..... methods ?****10- To find and delete a document based on a specific condition, we can use the ..... or ..... methods ?**



## Backend Teamwork -5-

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## Teamwork

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### Subject:

- Express project structure

### Learning Goals

- Learning how organize Express.js project structure for better productivity.

### Introduction

- The organization helps to maintain consistency, especially in a larger team. Consistency in the project structure equates to the predictability of where the code can be expected, which in turn helps in the productivity of the whole team. In this teamwork, we will learn how to organize an Express project to be used by a team of developer in order to enhance productivity and maintainability.

### Prerequisites

We will use the VSCode At the same time, we need to install Nodejs and MongoDB on our computer.

### Lets start

**First of all, divide the task for this study. and do it together step by step during teamwork time.**

- first select a project (e.g. blogapp)
- The team leader or volunteer should eliminate the project folder structure of the selected project and turn it into a single file.
- Those who did not participate in the first phase of the team that came together during the teamwork hour should change the project structure to the recommended project structure step by step.
- While doing this, discuss the purpose and details of each code block with your teammates.

Optional

- The project, which has become a single file, is shared by teamlead in its repo.
- Agree with the team on the desired project structure.
- Assign tasks to each team member.
- Each individual in the team should do their part and request a pull to the team leader.
- Let the team lead review what has been done and perform the merging process.

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😊 **Thanks for Attending** 🙌

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