

Lab 13: *MongoDB*

Dataend

MONGODB

MONGO, MQL, ATLAS

DATABASE

IMPORTANT NOTE: Install Node JS for Backend

Table of Content: *Implementing a Simple (HTTP) Web Server*

<i># of Parts</i>	<i>Duration</i>	<i>Topic</i>	<i>Page</i>
Introduction	5 minutes	Lab Introduction MongoDB, MQL, Atlas	2
Iteration 0	10 minutes	MongoDB Certification MongoDB offers free certification in their database tech.	3
End	5 minutes	Concluding Notes Summary and Submission notes	4

Lab Introduction

Prerequisites

None. This is the first lab in MongoDB & databases. Use the PPT slides for reference.

Motivation

Learn & use MongoDB as a database, the Mongo Query Language (MQL), & Atlas a free cloud-based hosting & deployment environment for MongoDB databases

Goal

Acquire MongoDB certification.

Learning Objectives

- MongoDB
- Collections, Documents, & Fields
- CRUD operations in MongoDB (Create, Read, Update, Delete)
- Mongo Query Language (MQL)
- Comparison & Logical queries
- Array-based queries
- MongoDB Indexing
- MongoDB Aggregation Framework

Goal 1: MongoDB Certification

'Approach' → Plan phase

Certifications are an important asset in validating your technical skills!

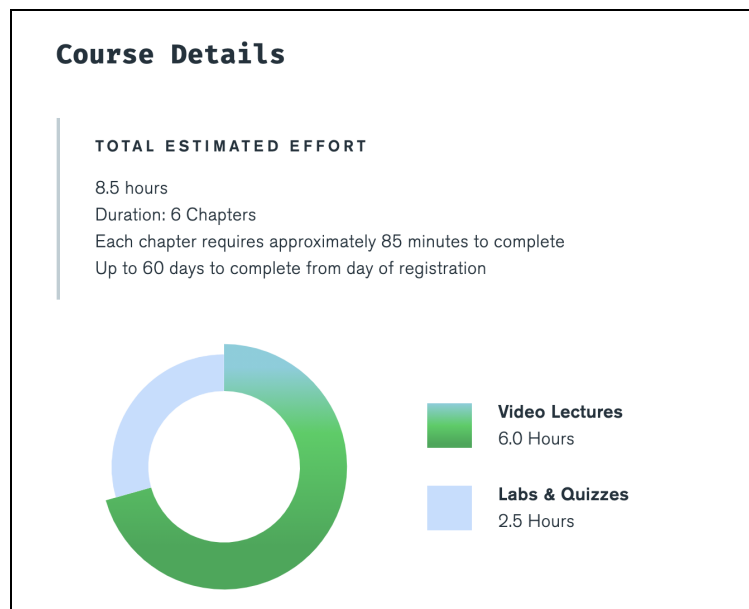
'Apply' → Do phase

Step 1: Download the **MongoDB lecture slides** from **Moodle** for reference.

Step 2: Go to MongoDB University & complete the Certification Course:

<https://university.mongodb.com/courses/M001/about>

Course Details:



Step 3: Submit your Certificate of Completion to Moodle

Conclusions

Final Comments

In this lab you will acquire a certification for MongoDB from the developers of the database tech.

Future Improvements

- Take additional certification courses offered by MongoDB University!

Lab Submission

Submit to Moodle the JPEG certificate of completion for the 'M001: MongoDB Basics' Course.

