Core	Deadline: Sunday of Week 5	Difficulty Level: Advanced	Est. Time: 03:00-04:00

MERNing with Books I (Core)

Design a full back-end in this first of three assignments to craft a full stack JavaScript application.

Learning Objectives

- Apply the core fundamentals of server-side development.

Welcome to another **Core assignment**! Some students like to explore the assignments before they're finished reading through the lessons, and that's okay! It can be good for your brain to have a preview of what your future challenges might be. However, before you begin this assignment, it's important that you've first:

- Completed the preceding lesson modules

- Taken the knowledge checks to confirm your understanding

- Viewed lecture material related to the assignment topics

- Completed and submitted your practice assignments

MERNing with Books I:

In this assignment, you'll create a node application that allows users to manage a book collection. The back-end created will be the first of three assignments which will include building out a full-stack application!

To solidify what you've read about Mongoose commands and Express, create a new express project called "Books".

The books collection's schema should consist of the following fields with their respective validation criteria:

- **title**: required with a custom message, minimum length of 2 with a custom message, maximum length of 255 with a custom message.

- **author**: required with a custom message, minimum length of 5 with a custom message, maximum length of 255 with a custom message.

- **pages**: required with a custom message, minimum length of 1 with a custom message.

- **isAvailable**: default of false.

- The schema should also have **timestamps**.

☐ Add a book to the collection in our Mongo database using a POST HTTP Verb.

☐ Retrieve all books from the collection.

☐ Retrieve a single book from the collection.

☐ Edit a book from the collection.

☐ Delete a book from the collection.

☐ Implement schema validations described above.