

Core

Deadline: Sunday of Week 6

Difficulty Level: Advanced

Est. Time: 03:00-04:00



MERning with Books III (Core)

Complete the base full stack application by adding document updating and validation error display to the front end.



Learning Objectives

- Develop a view component for updating book documents, incorporating state-bonded form fields to capture user input
- Implement pre-population of input fields with the current document information to streamline the update process
- Display validation errors for specific fields to prevent document creation if errors are present

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 III:

Continuing from your work on MERNing with Books II, introduce a component that allows users to update any given document displayed on the Home component.

A new Link element should be added to the **Available** column alongside the availability of the book, as shown in the wireframe below:



You will also be tasked with displaying validation errors specified in our model. Users should not be able to create a new document if validation errors are present. They should be displayed as shown in the wireframe below.

The wireframe shows a web browser window titled 'Book Catalog'. The address bar contains 'localhost:5173/create'. The page has a navigation bar with 'Catalog' and 'Add Book' buttons. The main content area is titled 'Add a Book' and contains a form with the following fields and validation errors:

- Title:** Input field with 'D'. Error: 'A book's title must be at least two characters long!'.
- Author Name:** Input field with 'Geor'. Error: 'An author's name must be at least five characters long!'.
- Page Count:** Spinner field. Error: 'A book must have some pages!'.
- Is it Available?:** Checkbox field.

An 'Add Book!' button is at the bottom of the form. A small icon is in the bottom right corner of the page.

After familiarizing yourself with the wireframe, begin to plan and develop your front end, ensuring the tasks in the checklist are complete before removing the `node_modules` folder from both the client and the server before submitting the assignment in a zipped folder:

- ☐ Create a view component for updating a book document.
- ☐ Pre-populate the inputs from the update component's form with the current document information.
- ☐ Send a request to update a book document and direct users Home upon successful submission.
- ☐ Display validation errors for the title, authorName and page fields.