

The following exercises are related to the use of React.

1. Create a git repository for your answers to this problem sheet. Push the repository to GitHub. Make a commit and push it to GitHub after each exercise.
2. (a) In last week's lab we built an React Application that had client-side routing with a Bootstrap Navigation Bar. The final solution to last weeks lab can be found at https://github.com/Data-Rep-MERN-Application/lab_two. However, you should use your lab solution form last week. Clone this application if you did not finish the application last week. To clone the application:
git clone https://github.com/Data-Rep-MERN-Application/lab_two
(b) Add two new components to your application, the first called read and second called create. Add a h3 tag with a message hello from read/create component to each component. Change your routing so that now you can route to the two new components from the Navbar.
(c) Add a new component called books to our read component. Add the following JSON to the read component state. Components data will be stored in component's State. This state can be modified based on user action or other action. when a component state is changed React will re-render the component to the browser. Pass this read components state to the new books component.

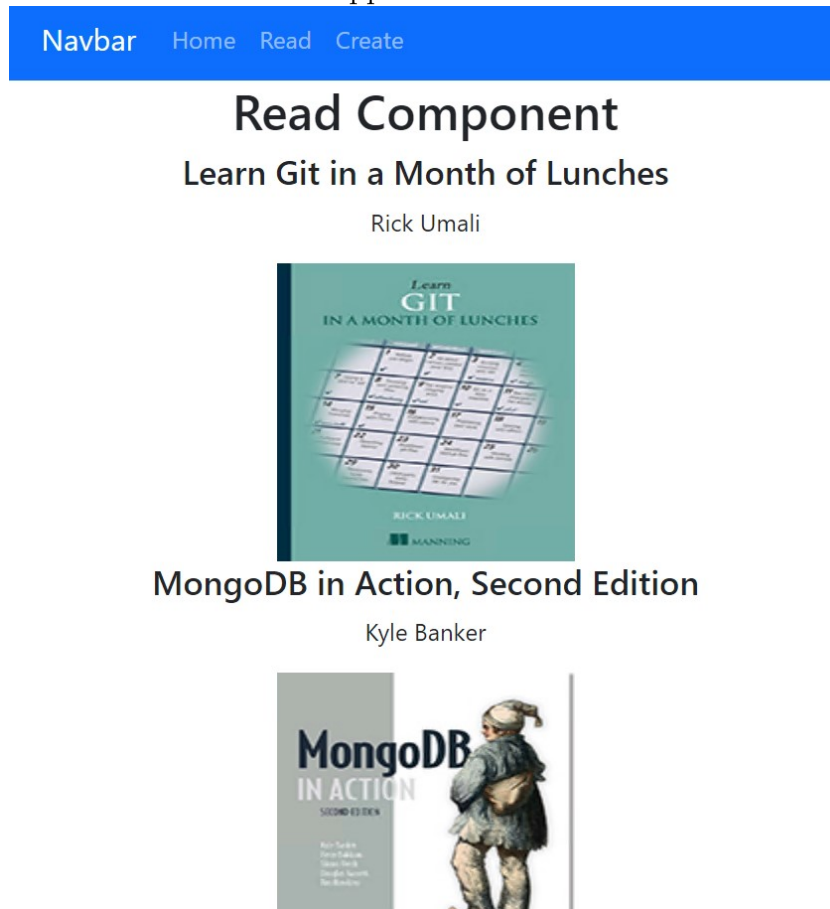
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    "isbn": "1617292419",
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```

- (d) Add another component called bookItems to our application this will be rendered from our nooks component and will display individual book information taken the props of books component. Use a map function to split the array of movies into individual books. Your application should now look like:



3. (a) Add card to bookItem from React Bootstrap <https://react-bootstrap.netlify.com/components/cards/>. I have used the quote example. Your application should now look like:

Navbar Home Read Create

Read Component

Learn Git in a Month of Lunches



Rick Umali

MongoDB in Action, Second Edition

