

# Proposal

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## Scope

The scope for this project will be a book store based on the New York Times API (<https://api.nytimes.com/svc/books/v3/lists/current/hardcover-fiction.json?api-key=1kA5enon02EGDcxWlr2SGKtvGYIg4COI>). We plan to use a fetch call to retrieve the data and store it in a state variable. In this book store app we will offer the user the chance to look through a list of books, allow them to see the rankings and the possibility to buy books.

## Packages That Were Used

React Router

npm install react-router-dom --save

React Bootstraps

npm install react-bootstrap bootstrap@5.1.3

## Functionalities

It is important to note that the majority of these features will be implemented inside their own components. We also plan to implement form validation whenever we are using events throughout our app. For this project we would like to focus on using controlled components because we want to let react handle the state/form data.

Website Structure/App.js - The website will be designed with react and styled with css and some bootstraps. We plan to add multiple different pages to our website and we will be linking them via routing. We plan on saving the books api into a state variable and we plan on passing the saved books api as a prop to the majority of components. Mapping will be done frequently in order to loop through the list of books.

Homepage.js - This component will display the title and rank of each book. Prop drilling was implemented for this component since in App.js we would pass down books into HomepageContainer.js and then we would pass the books from HomepageContainer.js into Homepage.js.

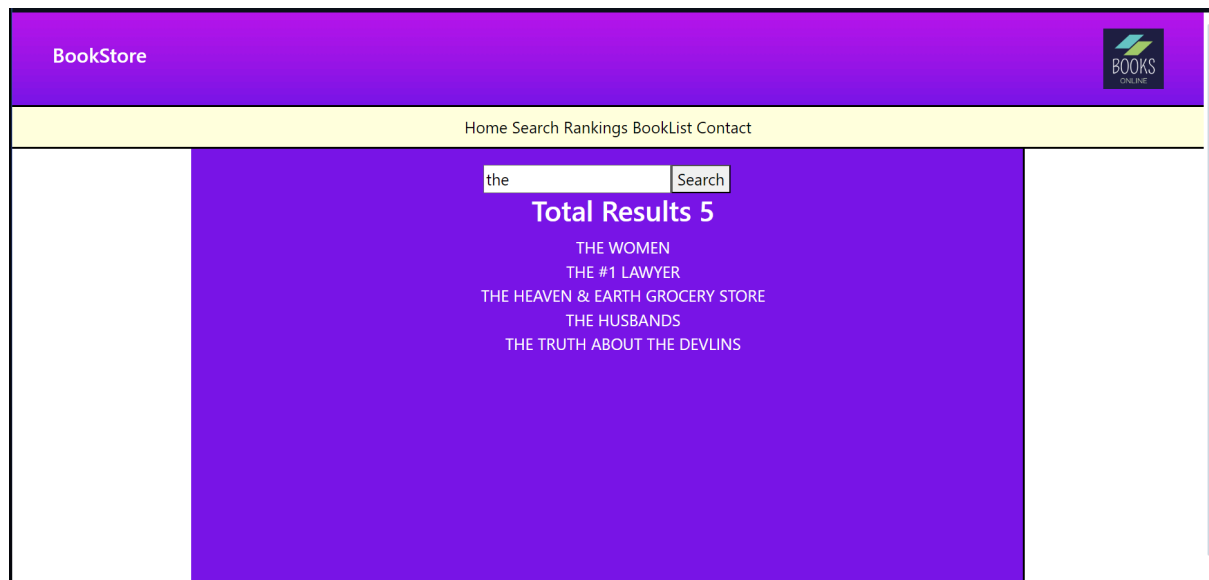
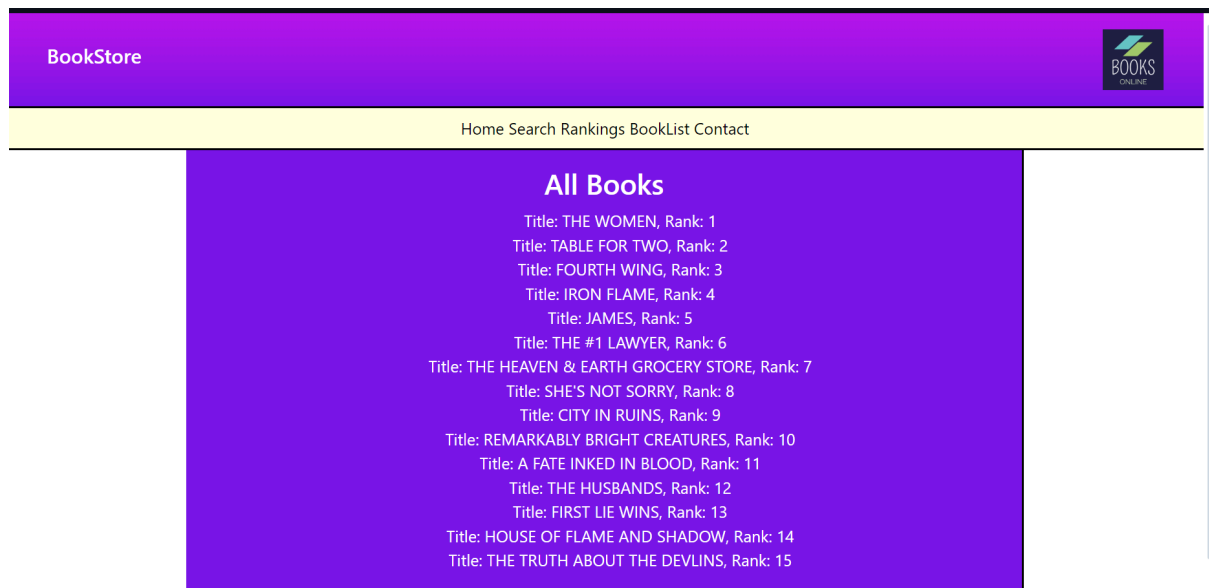
Search.js - We want to allow the user to search for any book based on their title or their author. The search feature will display the title of any book the user has searched for. We would accomplish this by utilizing the event handling that we learned. We will do this by giving the user an input field and letting them submit via a button. This component also includes state lifting as we pass a searchCounter from App.js to Search.js that we manipulate.

Rankings.js - We will offer the user the ability to view book rankings to see the top trending books. We also want to let the user modify their book list in a few different ways.


Contact.js - This component is a simple contact form for users to try and reach out if they have any questions. Here we implemented a button bootstraps and we also implemented composition.

BookList.js - For this feature we want to give the user the option to buy the book of their choice. To do this we plan on implementing this feature by giving the user a link to the appropriate website of the chosen book. In the API we are using every book has a few links on where you can buy each book, and so we plan on incorporating this into our website using this data.

## Screenshots



BookStore



Home Search Rankings BookList Contact

Reverse Alphabetically ▾

THE WOMEN

THE TRUTH ABOUT THE DEVLINS

THE HUSBANDS

THE HEAVEN & EARTH GROCERY STORE

THE #1 LAWYER

TABLE FOR TWO

SHE'S NOT SORRY

REMARKABLY BRIGHT CREATURES

JAMES

IRON FLAME

HOUSE OF FLAME AND SHADOW


FOURTH WING

FIRST LIE WINS

CITY IN RUINS

A FATE INKED IN BLOOD

BookStore



Home Search Rankings BookList Contact

Books

THE WOMEN

Author: Kristin Hannah

Purchase From: Amazon Apple Books Barnes and Noble Books-A-Million Bookshop IndieBound

TABLE FOR TWO

Author: Amor Towles

Purchase From: Amazon Apple Books Barnes and Noble Books-A-Million Bookshop IndieBound


FOURTH WING

Author: Rebecca Yarros

Purchase From: Amazon Apple Books Barnes and Noble Books-A-Million Bookshop IndieBound

IRON FLAME

BookStore



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