# Book List API Instructions

## Get All Books

https://book-list-api-mcotton.herokuapp.com/

Returns an array of all books in the book list.

## Add Book to List

https://book-list-api-mcotton.herokuapp.com/add

### JSON Body Spec

* *Title* is a String and is required.
* *Author is a* String and is required.
* *readStatus* is a Boolean and is optional. If not provided will be assumed to be unread (false).
* ID is a number and will be added automatically. It is returned as part of the response to a successful add request.

## Search by ID

https://book-list-api-mcotton.herokuapp.com/id/{ID}

One book will be returned if the provided ID exists.

## Search by Title

https://book-list-api-mcotton.herokuapp.com/title/{Title}

Use “%20” for spaces. Case is ignored.

All books with this title will be returned.

Only exact matches are returned.

## Search by Author

https://book-list-api-mcotton.herokuapp.com/author/{Author}

Use “%20” for spaces. Case is ignored.

All books by this author will be returned.

Only exact matches are returned.

## Search by readStatus

https://book-list-api-mcotton.herokuapp.com/read/{readStatus}

Provided readStatus must be a Boolean (true or false).

A list of books with the provided readStatus will be returned.

If not results are found with the provided readStatus then a 404 error will be returned.

## Delete Book

https://book-list-api-mcotton.herokuapp.com/id/{ID}

One book will be deleted if the provided ID exists.

## Update Book Title, Author or readStatus

https://book-list-api-mcotton.herokuapp.com/id/{ID}

Title and/or Author and/or readStatus will be updated of the book with the provided ID, if it exists.

Only the items provided within the body will be updated.