

Library

[Add Book](#)

ID	Book Name	Publisher	Issue Date	Return Date	Status
B091	Harry Potter and the goblet of Fire JK Rowling	Scholastic Corporation	20/04/2021	-	OVERDUE
B061	Harry Potter and the Deathly Hollows JK Rowling	Scholastic Corporation	-	-	AVAILABLE
B054	The bourne identity Robert Ludlum	Richard Marek	20/05/2021	12/06/2021	BORROWED
B003	A Storm of Swords George R.R. Martin	Voyager Books	14/05/2021	Tommorow	DUE SOON

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Functionality

- Main Table Functionality

- Read data from the JSON file/JSON server
- Show it according to mock up.
- The initial data by default must be sorted based on book name.
- User initiates search on click of search icon where the book name header becomes a input field with book name as placeholder.
- User can search for book name and this searching will be done on UI.
- The search can be partial text search.
- User types the book name and click on search icon to search.
- Filtering to be done on publisher and status.
- After filtering the sort order will be by book name until unless there is sort applied on date fields.
- Date fields Issue Date and Return date are sortable.
- The sorting is UI sort.
- Wherever there is no date these can be at the end of list in both ASC sort and DESC sort or any logic that is easy for the candidate.
- Date display logic -
 - date is same as the current date - show today
 - date is 1 more than current date show tomorrow
 - date is 1 less than current date show yesterday
 - return date is lesser than current date as the book will be available - show '-'
 - return date and issue date null or empty - show '-'
- Status display logic -
 - current date < return date or return date and issue date null or empty - available
 - current date < issue date + 14days and return date is empty - borrowed
 - current date = issue date + 14days or current date = issue date + 14day - 1 day - due soon
 - current date > issue date + 14days and return date is empty - over due

- Add Book

- Implement the UI as shown in the above mock up.
- Done button must be disabled when all fields are empty.
- As can be seen from the mock up book name and publisher are mandatory.
- Once these fields are filled the book must be added to the list of books below.
- Upon adding the sort order must be by book name same as initial sort order condition.
- Book Id must be randomly generated and must be unique 3 numbers and prefixed with B.

CSS Rules

- Elements

Header Item CSS

Return Date ▼ Font Size: 20px
Font weight: bold
Padding on sides: left:8px right:12px
Background Colour: #E3F1FF

Body Item CSS

A Storm of Swords
George R.R. Martin

Font Size: 20px
Font weight: light
Font size of author: 14px
Font weight of author: bold
Padding on sides: left:8px right:8px
Background Colour: #F3F6F9

Library

Font Size: 48px
Font weight: bold

[Add Book](#)

Font Size: 24px
font weight: bold
blue light: #17D1F6
blue dark: #1370FB
shadow: 0px 8px 4px rgba(0, 0, 0, 0.25)

DUE SOON

Font Size: 12px
Font weight: bold
color: #000 for yellow Bg
and #fff for other Bg
Bg Blue: #1370FB
Bg Green: #01AD13
Bg Red: #E80202
Bg Yellow: #F4CD00
shadow: 0px 8px 4px rgba(0, 0, 0, 0.25)

Voyager Books

Font Size: 20px
Font weight: 400 - 600
vertically must be centered
left aligned
capitalised
Background Colour: #F3F6F9

background color: #e3f1ff
shadow: 0px 8px 4px rgba(0, 0, 0, 0.25)

Voyager Books

label font size: 20px
label font weight: bold
label and input field spacing: 4px
Font Size: 20px
Font weight: 400 - 600
vertically must be centered
left aligned
capitalised
Background Colour: #F3F6F9

- Spacing

- Table

- 8px between columns
- 4px between rows
- 16px between header row and table body
- 32px between the top header and table

- Filter popup

- 8px on each side of filter item.
- 4px between rows
- 8px on top and bottom of the filter row list
- 4px between the header of table and popup

- Add Book Modal

- 20px on top and bottom of the modal
- 12px on both the sides of fields list
- 16px between the rows of the fields
- 4px between add book button and add book modal