

Library Management System

This project has a single interface.

Managers Interface:

- CRUD operations on managers (managers can't register, but created).
- CRUD operations on authors.
 - Add the total number of the author's books to the author object data.

```
{  
  "name": "Salma Ahmed Negm",  
  "num_books": 6  
}
```

- CRUD operations on books' categories.
 - Add the total number of the category's books to the category object data.

```
{  
  "name": "Technology",  
  "description": "In publishing and graphic design,  
    Lorem ipsum is a placeholder text commonly used to demonstrate  
    the visual form of a document or a typeface without relying on  
    meaningful content.Lorem ipsum may"  
  "num_books": 13  
}
```

- CRUD operations on books.
 - Add the total categories to the book object data.

```
{  
  "name": "Laravel for ITlans",  
  "author": {  
    "id": 3,  
    "name": "Salma Ahmed Negm"  
  },  
  "image": "localhost:8000/images/books/123654.png",  
  "description": "Lorem Ipsum is simply dummy text of the printing and typesetting",  
  "categories": [  
    {  
      "id": 1,  
      "name": "Technology"  
      "description": "Lorem Ipsum is simply dummy text of the printing and"  
    }  
  ]  
}
```

- Can list books
 - Can order by: name, latest
 - Search by: title, author
 - Filter by category

Data Specification:

Authors	Books	Categories
Name [required, max 20 char]	Title [required, max 30 char]	Name [required, unique, max 20 char]
	Description [required]	Description [required]
	Image [required, max size 15 MG, is image]	
Has many books	Belongs to one author Belongs to many categories	Has many books

- Use soft delete on authors, books and categories
- Apply appropriate validations.
- Authorization:
 - Each Manager can be assigned a role:
 - Super admin : All actions.
 - Admin: All actions except manager management.
 - Viewer: Only List and search authors, categories and books.
- Only logged in users can access any request except for listing and searching authors, categories and books.