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BOOK SELLING PLATFORM DOCUMENTATION

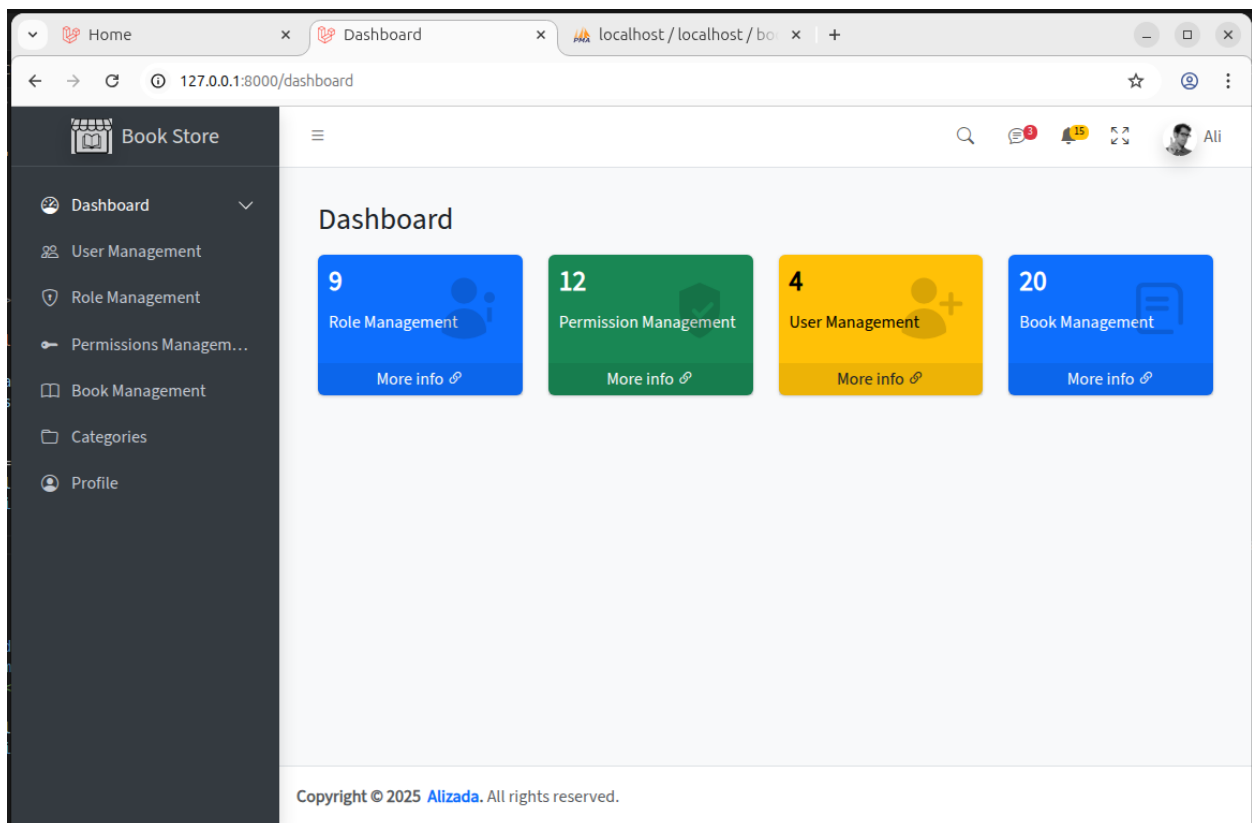
TECHNOLOGY STACK

Backend: Laravel 12
Roles & Permissions: Spatie Laravel Permission
Media Management: Spatie Media Library
Slugs: Spatie Laravel Sluggable
Database: MySQL
Frontend: Blade Templates with Bootstrap (AdminLTE)

Ubuntu linux is used as development environment inside virtual machine

1. PLATFORM OVERVIEW

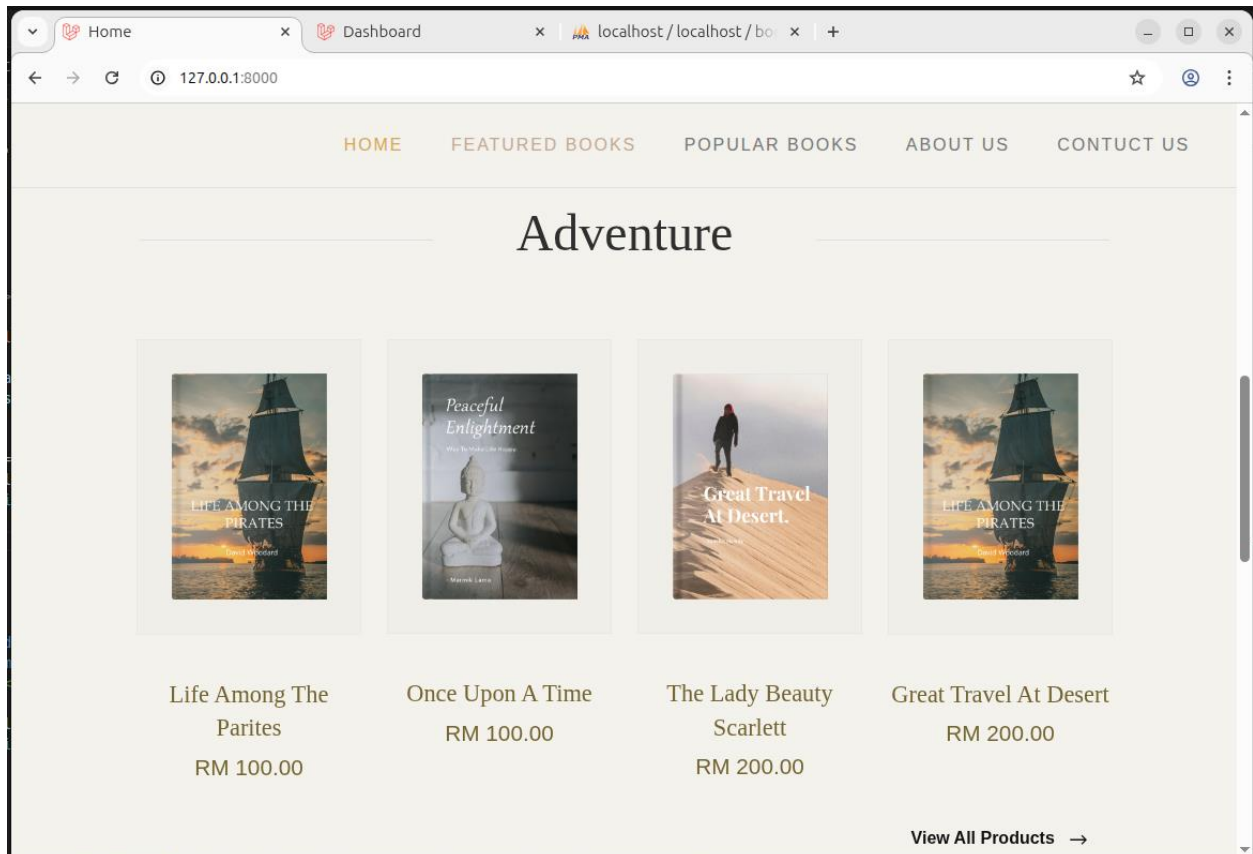
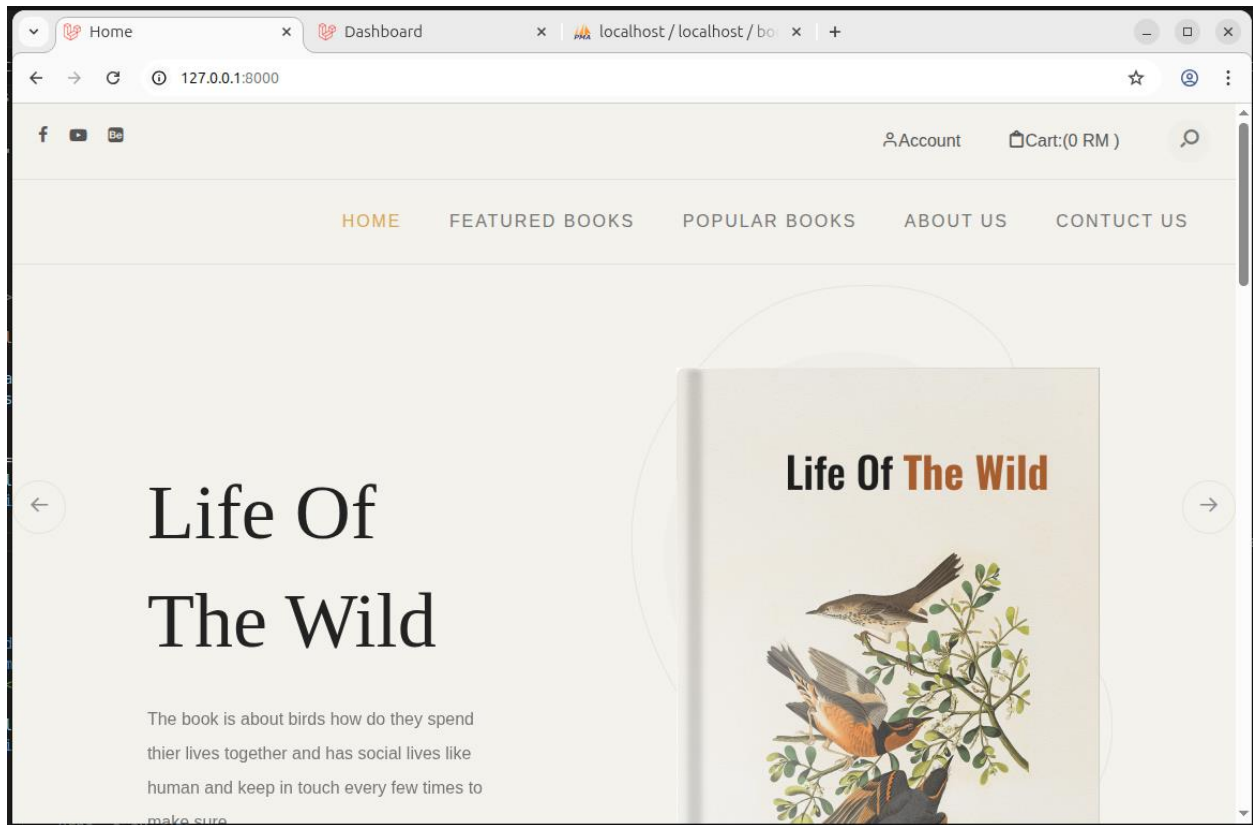
The Book Selling Platform is designed to allow Admins to manage the system and Sellers to upload and sell books. The platform focuses on security, simplicity, and a smooth user experience.



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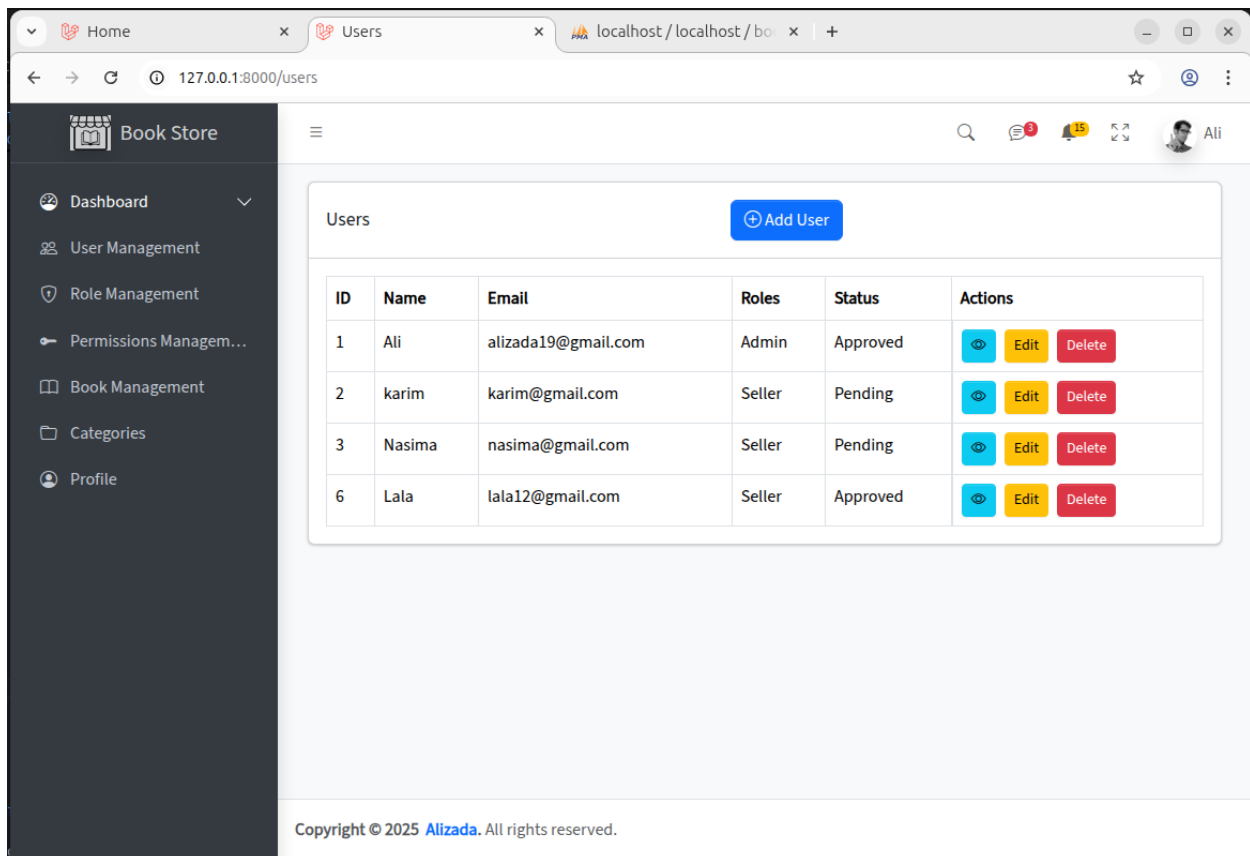
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2. USER ROLES AND PERMISSIONS

ADMIN ROLE

Admins have full control over the platform and can:

- Manage users (Admin and Seller)
- Approve seller registrations
- Create, update, and delete book categories
- Monitor books uploaded by sellers



SELLER ROLE

Sellers can manage their own store by:

- Registering as a seller
- Updating personal profile information
- Uploading and managing their own books

Note: Sellers can upload books only after Admin approval.

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Book Store

Dashboard

User Management

Role Management

Permissions Managem...






















Book Management

Categories

Profile

Book List

Add Book

ID	Title	Description	Price	Seller	Category	Actions
40	Life among the parites	Life among the parites and tough situation, How to pass and change the condition to you side	100.00	Nasima	Adventure	  
39	Tips of simple lifestyle	Tips of simple lifestyle	300.00	Nasima	Romance	  
38	Portrait photography	Portrait photography	120.00	Nasima	Romance	  
37	Once upon a time	Once upon a time	100.00	Nasima	Adventure	  
36	The lady beauty Scarlett	The lady beauty Scarlett	200.00	Nasima	Adventure	  
35	Great travel at desert	Great travel at desert	200.00	Nasima	Adventure	  
34	Simple way of piece life	Simple way of piece life	100.00	Nasima	Adventure	  

Book Store

Dashboard

User Management

Role Management

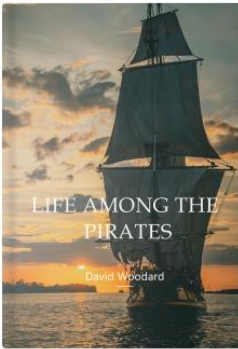
Permissions Managem...

Book Management

Categories

Profile

Book Details



Title	Life among the parites
Description	Life among the parites and tough situation, How to pass and change the condition to you side
Category	Adventure
Price	RM 100.00
Added On	14 Dec 2025

Edit

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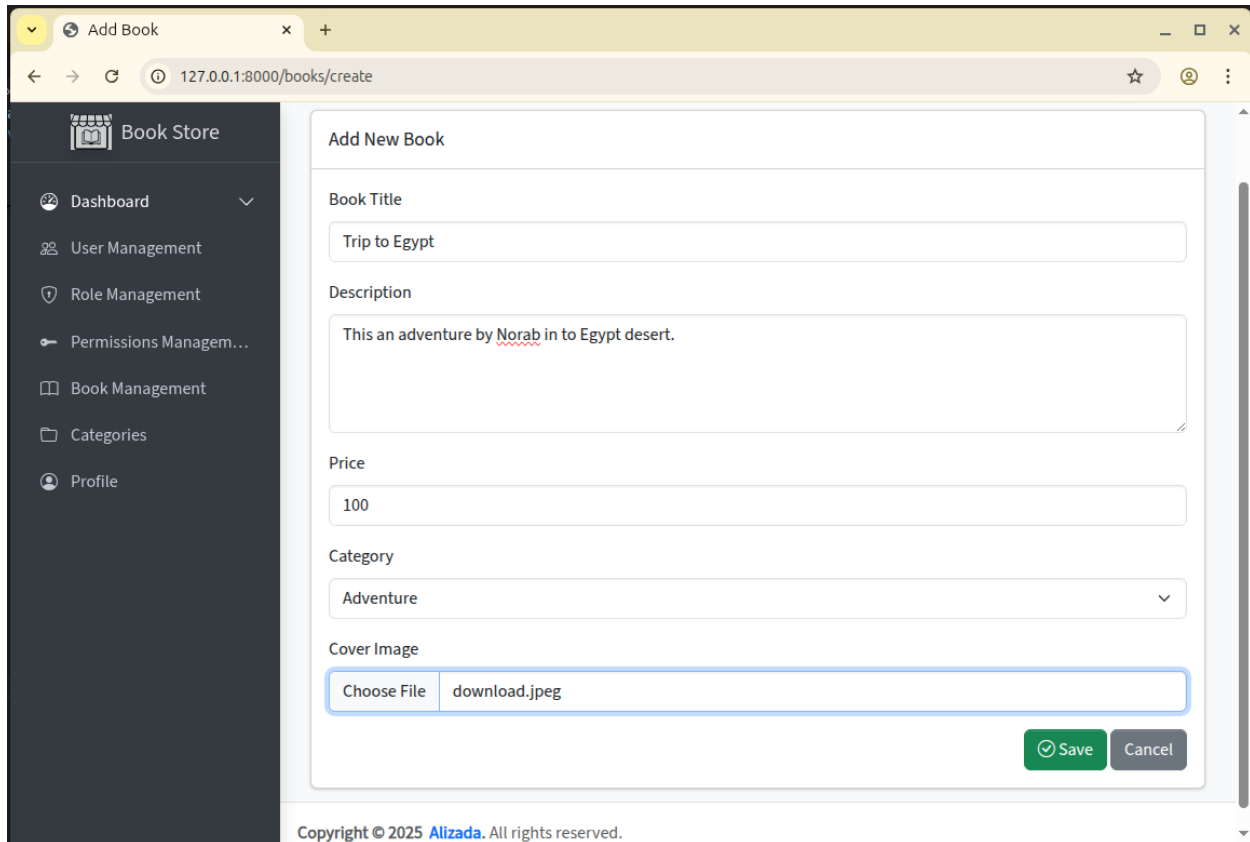
3. BOOK MANAGEMENT

BOOK UPLOAD

Approved sellers can upload books with the following details:

- Book title
- Description
- Price
- Category
- Cover image

Book images are handled using Spatie Media Library for secure and optimized file storage.



The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/books/create'. The page title is 'Add Book'. On the left is a dark sidebar with a 'Book Store' header and a menu containing: Dashboard, User Management, Role Management, Permissions Managem..., Book Management, Categories, and Profile. The main content area is titled 'Add New Book' and contains the following form fields:

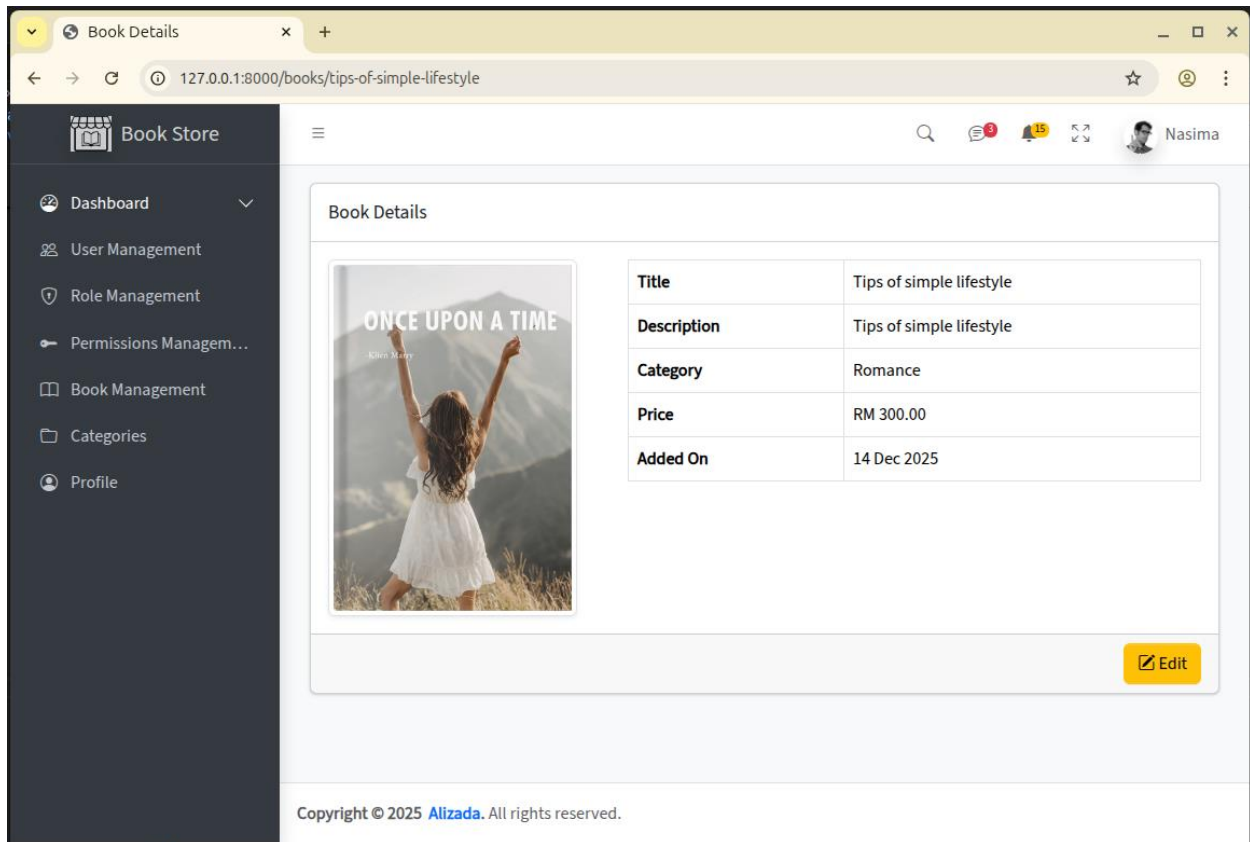
- Book Title:** A text input field containing 'Trip to Egypt'.
- Description:** A text area containing 'This an adventure by Norab in to Egypt desert.'.
- Price:** A text input field containing '100'.
- Category:** A dropdown menu with 'Adventure' selected.
- Cover Image:** A file upload field with a 'Choose File' button and the filename 'download.jpeg' displayed.

At the bottom right of the form are two buttons: a green 'Save' button and a grey 'Cancel' button. A footer at the bottom of the page reads 'Copyright © 2025 Alizada. All rights reserved.'

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SEO-FRIENDLY URLS

Each book uses a slug-based URL instead of an ID.



The screenshot displays a web application interface for a book store. The browser's address bar shows the URL `127.0.0.1:8000/books/tips-of-simple-lifestyle`, indicating a slug-based URL. The application has a dark sidebar with navigation links: Dashboard, User Management, Role Management, Permissions Management, Book Management, Categories, and Profile. The main content area is titled 'Book Details' and features a book cover image of a person in a white dress with arms raised, titled 'ONCE UPON A TIME' by 'Karin Miley'. To the right of the image is a table with book details.

Title	Tips of simple lifestyle
Description	Tips of simple lifestyle
Category	Romance
Price	RM 300.00
Added On	14 Dec 2025

An 'Edit' button is located at the bottom right of the book details section. The footer of the application states: 'Copyright © 2025 Alizada. All rights reserved.'

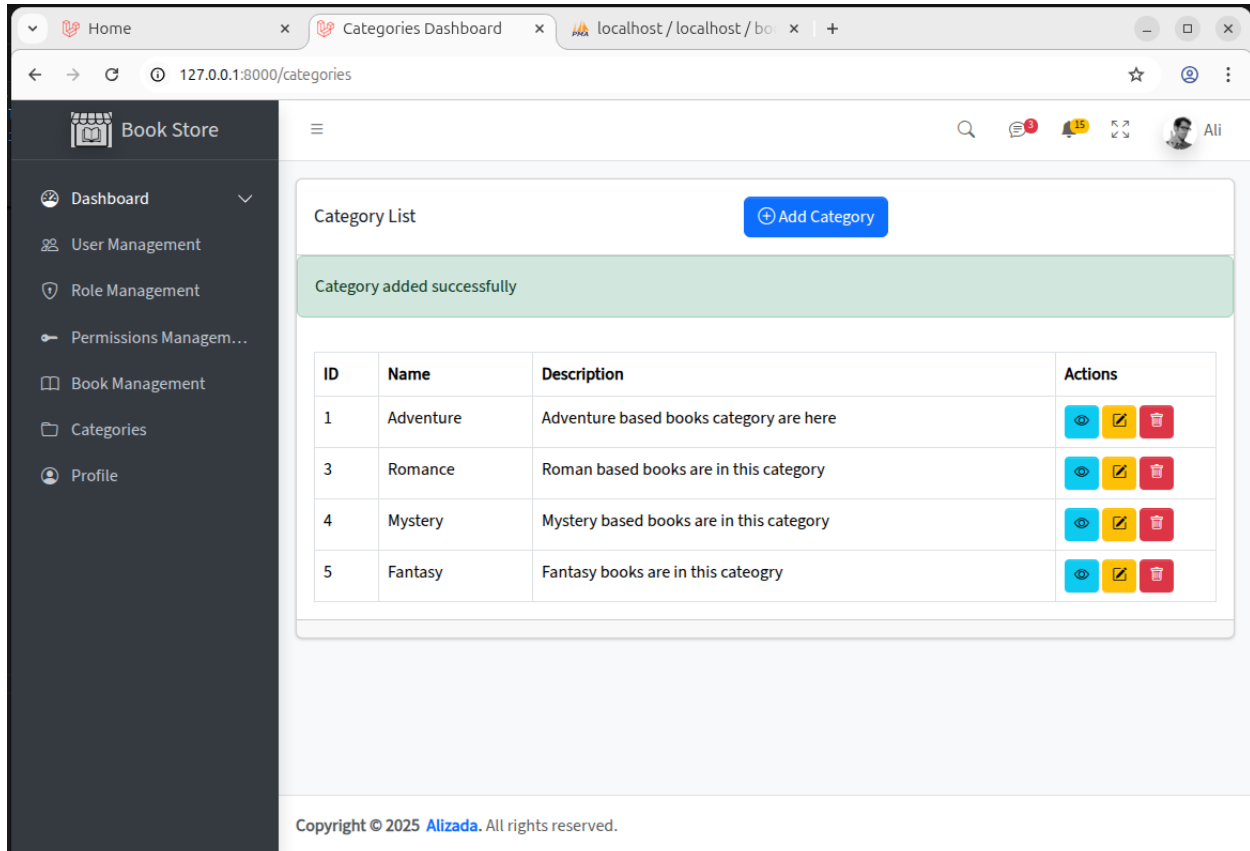
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4. BOOK CATEGORIES

- Categories are created and managed by Admin
- Categories help organize books efficiently



The screenshot shows a web application interface for a 'Book Store'. The left sidebar contains a menu with the following items: Dashboard, User Management, Role Management, Permissions Management, Book Management, Categories, and Profile. The main content area is titled 'Categories Dashboard' and features a 'Category List' table. Above the table is a green success message: 'Category added successfully'. A blue button labeled '+ Add Category' is located in the top right corner of the dashboard. The table has four columns: ID, Name, Description, and Actions. The Actions column contains three icons: a blue eye, a yellow pencil, and a red trash can. The footer of the page reads: 'Copyright © 2025 Alizada. All rights reserved.'

ID	Name	Description	Actions
1	Adventure	Adventure based books category are here	  
3	Romance	Roman based books are in this category	  
4	Mystery	Mystery based books are in this category	  
5	Fantasy	Fantasy books are in this category	  

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5. SECURITY AND DATA PROTECTION

- Secure authentication using Laravel built-in authentication
- Role-based access control using permissions
- Protected routes using middleware
- Password hashing and encrypted sensitive data

The screenshot shows the 'Roles' management page in a web application. The left sidebar contains navigation links: Dashboard, User Management, Role Management, Permissions Management, Book Management, Categories, and Profile. The main content area is titled 'Roles' and features an 'Add Role' button. Below this is a table with columns for ID, Name, Permissions, and Actions. The table lists two roles: 'Admin' and 'Seller'. The 'Admin' role has permissions for 'manage users', 'manage categories', 'approve sellers', 'manage books', 'view orders', and 'update profile'. The 'Seller' role has permissions for 'view orders' and 'update profile'. Each role has 'Edit' and 'Delete' buttons in the Actions column.

ID	Name	Permissions	Actions
1	Admin	manage users manage categories approve sellers manage books view orders update profile	Edit Delete
2	Seller	view orders update profile	Edit Delete

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The screenshot shows the 'Edit Role' page in the same web application. The left sidebar is identical to the previous screenshot. The main content area is titled 'Edit Role' and features a 'Role Name' input field with the value 'Seller'. Below this is a section for 'Permissions' with checkboxes for 'manage users', 'manage categories', 'approve sellers', 'manage books', 'view orders', and 'update profile'. The 'view orders' and 'update profile' checkboxes are checked. An 'Update Role' button is at the bottom.

Role Name

Permissions

- ☐ manage users
- ☐ manage categories
- ☐ approve sellers
- ☐ manage books
- ☒ view orders
- ☒ update profile

[Update Role](#)

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6. USER INTERFACE AND USER EXPERIENCE

DESIGN PRINCIPLES

- Simple and clean interface
 - Easy-to-use forms with validation messages
 - Responsive layout for better usability
-

7. SEARCH AND PERFORMANCE OPTIMIZATION

- Optimized database queries
 - Pagination implemented for faster page loading
-

8. CONCLUSION

The Book Selling Platform is built with scalability, security, and simplicity in mind. By using Laravel and Spatie packages, the system provides a clean architecture, strong access control, and an efficient workflow for both Admins and Sellers.

Note: The source code is uploaded on my github repository

<https://github.com/Alizada19/Book-Store.git>