

Book Management System User Guide

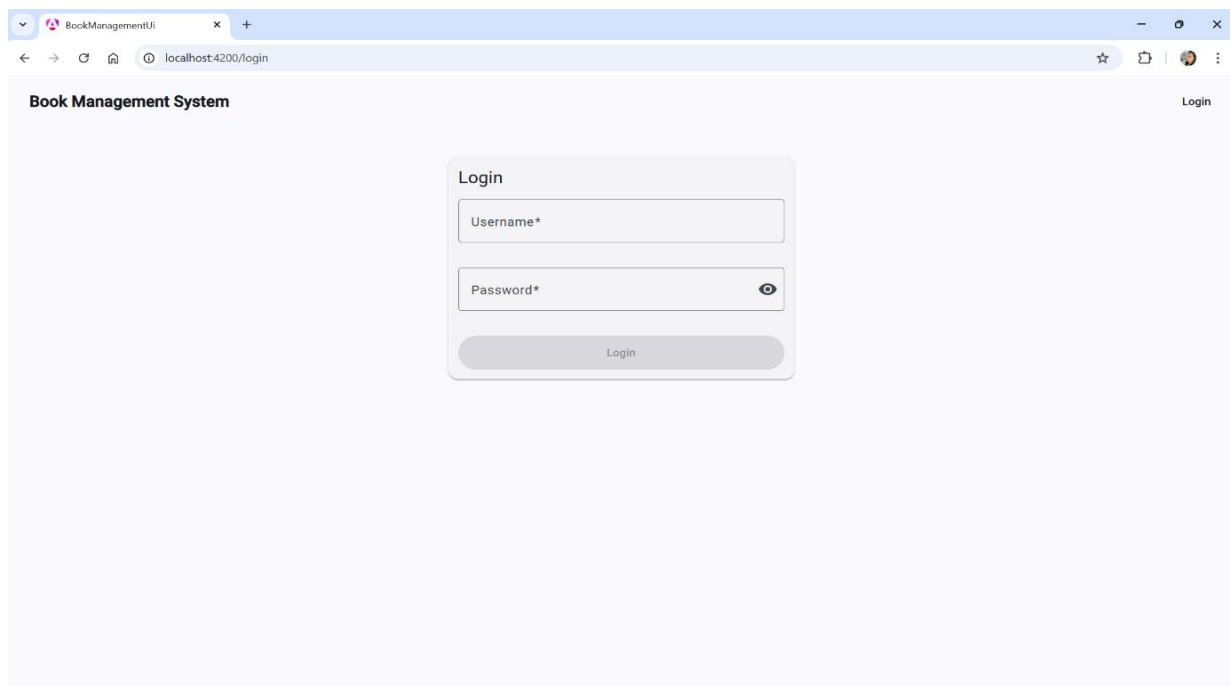
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1. User Roles

- **Admin**
 - Admin users can:
 - View all books
 - Search and filter books
 - Add new books
 - Edit book details
 - Delete books
 - Restore deleted books
 - Borrow and return books
 - View overdue books
 - Register new users
- **User**
 - Regular users can
 - View books
 - Search and filter
 - View book details

2. Login

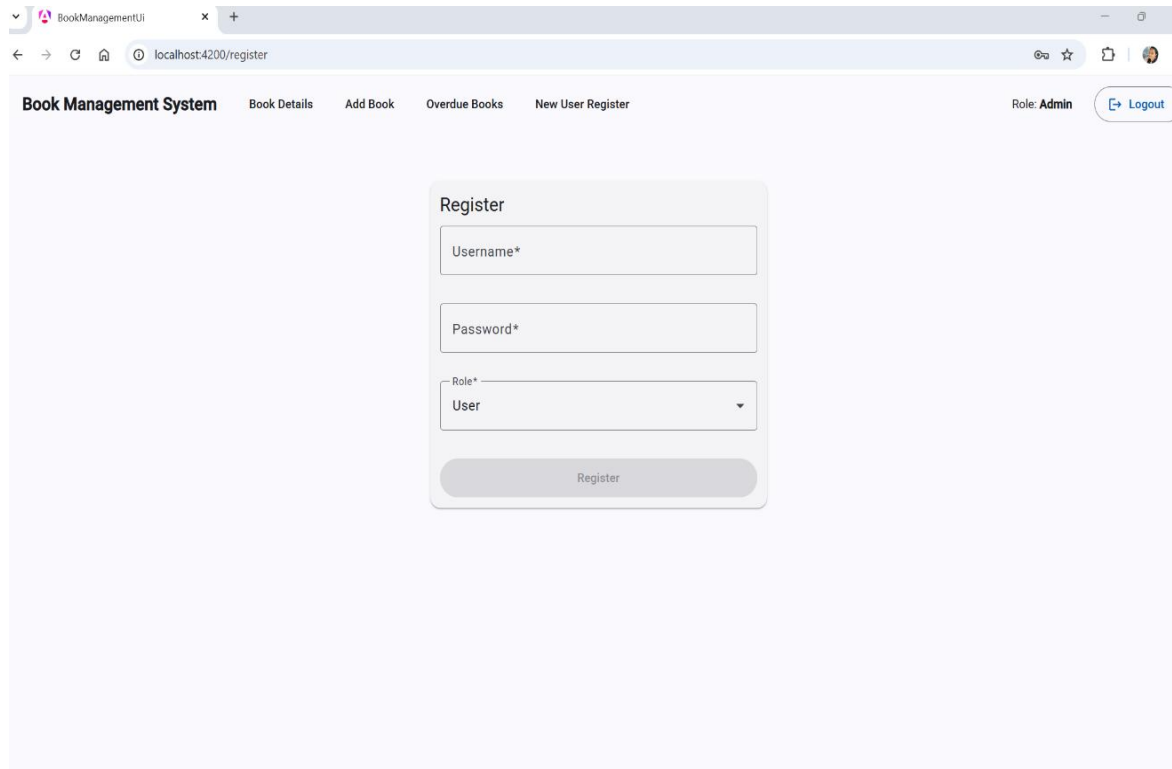


The screenshot shows a web browser window with the title 'BookManagementUi'. The address bar shows 'localhost:4200/login'. The page content includes a header 'Book Management System' on the left and a 'Login' link on the right. In the center, there is a 'Login' form with two input fields: 'Username*' and 'Password*'. The 'Password*' field has a toggle icon (an eye) to the right of it. Below the input fields is a 'Login' button.

- **Steps:**
 1. Open the system.
 2. Enter Username.
 3. Enter Password.
 4. Click Login.

- **After login:**
 - Login user role appears at the top-right (Admin/User).
 - Navigation menu becomes available.

3. Register a new user

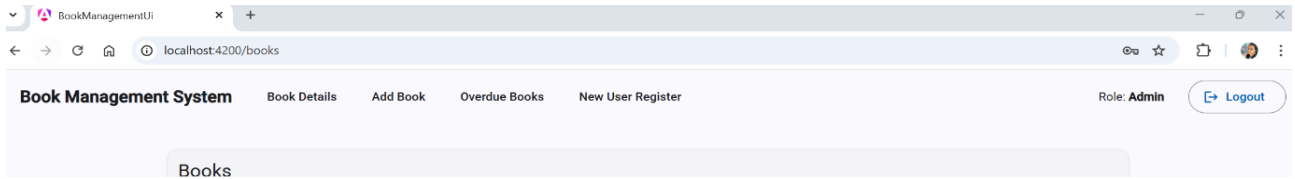


The screenshot shows a web browser window with the address bar displaying 'localhost:4200/register'. The page title is 'Book Management System'. The navigation menu includes 'Book Details', 'Add Book', 'Overdue Books', and 'New User Register'. The user role is 'Admin' and there is a 'Logout' button. The main content area features a 'Register' form with the following fields:

- Username*
- Password*
- Role* (dropdown menu with 'User' selected)
- Register button

- **Steps**
 1. Enter Username
 2. Enter Password
 3. Select Role (User/Admin)
 4. Click Register
- **After registering:**
 - login using the same credentials.

4. Main Navigation Menu



- **Top menu options:**

Menu	Description
Book Details	Opens main books list
Add Book	Add new book (Admin only)
Overdue Books	View overdue borrowed books (Admin only)
New User Register	Create new user (Admin only)
Logout	Exit the system

5. Books List (Main page)

- This is the main screen.

5.1 Admin View

The screenshot shows the 'Book Management System' interface for an Admin user. The top navigation bar includes links for 'Book Details', 'Add Book', 'Overdue Books', and 'New User Register'. The user's role is 'Admin' and there is a 'Logout' button. The main content area is titled 'Books' and features a search filter section with fields for 'Search', 'Genre (exact)', 'Year From', 'Year To', 'Min Price', 'Max Price', 'Page Size' (set to 5), 'Availability', and 'Deleted Status'. A 'Search' button and a 'Clear' button are also present. Below the filters is a table of books with the following data:

Title	Author	Genre	Year	ISBN	Price	Availability	Status	Actions
ASP.NET Core in Action	Andrew Lock	.NET	2021	9781617298305	£49.99	Available	Active	Info Cart Edit Delete
C# in Depth	Jon Skeet	C#	2019	9781617294536	£61.00	Available	Active	Info Cart Edit Delete
Clean Code	Robert C. Martin	Programming	2008	9780132350884	£40.00	Available	Active	Info Cart Edit Delete
Effective C#	Bill Wagner	C#	2017	9780135159941	£45.00	Available	Active	Info Cart Edit Delete
Head First Design Patterns	Eric Freeman	Software Engineering	2020	9781492078005	£44.99	Available	Active	Info Cart Edit Delete

At the bottom of the table, there are navigation links: '< Prev', 'Page 1 of 2 (7 total)', and '> Next'.

5.2 User View

The screenshot shows the 'Book Management System' interface for a User. The top navigation bar includes links for 'Book Details' and 'New User Register'. The user's role is 'User' and there is a 'Logout' button. The main content area is titled 'Books' and features a search filter section with fields for 'Search', 'Genre (exact)', 'Year From', 'Year To', 'Min Price', 'Max Price', 'Page Size' (set to 5), 'Availability', and 'Deleted Status'. A 'Search' button and a 'Clear' button are also present. Below the filters is a table of books with the following data:

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Effective C#	Bill Wagner	C#	2017	9780135159941	£45.00	Available	Info
Head First Design Patterns	Eric Freeman	Software Engineering	2020	9781492078005	£44.99	Available	Info

At the bottom of the table, there are navigation links: '< Prev', 'Page 1 of 2 (7 total)', and '> Next'.

Search and Filter Options

- Filter books using:
 - Search (keyword)
 - Genre (exact)
 - Year From / Year To
 - Min Price / Max Price
 - Page Size
 - Availability
 - Deleted Status (Admin only)
- Buttons
 - Search → Apply filters
 - Clear → Reset filters

Pagination



- At the bottom:
 - Shows current page and total books
 - Use Prev or Next

6. Book Status Indicators

Availability	Meaning
Available (green)	Book can be borrowed
Unavailable (red)	Book is currently borrowed




❖ Example:

- “Unavailable (user_name1)” means the book is borrowed by user user_name1.

Title	Author	Genre	Year	ISBN	Price	Availability	Status	Actions
ASP.NET Core in Action	Andrew Lock	.NET	2021	9781617298305	£49.99	Unavailable (chamodh)	Active	 

status	Meaning
Active	Book is available in system
Inactive	Book is deleted

7. Action Buttons (per book)

Title	Author	Genre	Year	ISBN	Price	Availability	Status	Actions
ASP.NET Core in Action	Andrew Lock	.NET	2021	9781617298305	£49.99	Available	Active	   

Info Borrow Edit Delete

a) Info Button

- Opens book details page.

b) Borrow Button (Admin only)

- Available when:
 - Book is Available



Steps:

1. Click Borrow icon.
2. Select Borrowed by User.
3. Choose Due Date.
4. Click Borrow.

Book becomes:

- Unavailable
- Shows borrower name

c) Return Button (Admin only)

Title	Author	Genre	Year	ISBN	Price	Availability	Status	Actions
ASP.NET Core in Action	Andrew Lock	.NET	2021	9781617298305	£49.99	Unavailable (chamodh)	Active	 



Return

- Available when:
 - Book is currently borrowed

Steps:

1. Click Return icon.
2. Confirm return.
3. Book becomes available again.

d) Restore Button (Admin only)

Title	Author	Genre	Year	ISBN	Price	Availability	Status	Actions
ASP.NET Core in Action	Andrew Lock	.NET	2021	9781617298305	£49.99	Unavailable	Inactive	 

Restore

- Available when:
 - Book status = Inactive

8. Add New Book (Admin Only)

The screenshot shows a web browser window with the address bar displaying 'localhost:4200/books/new'. The page title is 'Book Management System'. The navigation menu includes 'Book Details', 'Add Book', 'Overdue Books', and 'New User Register'. The user is logged in as 'Admin' with a 'Logout' button. The 'Add New Book' form contains the following fields:

- Title*
- Author*
- Genre*
- Publication Year* (with '2026' entered)
- ISBN*
- Price* (with '0' entered)

At the bottom of the form are two buttons: '+ Create' and 'X Cancel'.

Steps:

1. Click Add Book from menu.
2. Fill in:
 - Title
 - Author
 - Genre
 - Publication Year
 - ISBN
 - Price
- Click Create.

Special case: Existing deleted book

If ISBN exists but book is deleted:

- System shows message:
"This ISBN exists but the book is deleted. Please restore it instead."

Admin must:

- Restore the book instead of creating a duplicate.

Book Management System

Book Details Add Book Overdue Books New User Register

Role: Admin Logout

Add New Book

This ISBN exists but the book is deleted. Please restore it instead.

Title* ASP.NET Core in Action

Author* Andrew Lock

Genre* .NET

Publication Year* 2021

ISBN* 9781617298305

Price* 49.99

+ Create X Cancel

9. Edit Book (Admin Only)

Book Management System

Book Details Add Book Overdue Books New User Register

Role: Admin Logout

Edit Book

Title* ASP.NET Core in Action

Author* Andrew Lock

Genre* .NET

Publication Year* 2021

ISBN* 9781617298305

Price* 49.99

Update X Cancel

Steps:

1. Click Edit.
2. Modify fields.
3. Click Update.

10. Delete Book (Admin Only)

Book Management System Book Details Add Book Overdue Books New User Register Role: Admin [Logout](#)

Books

Search Genre (exact) Year From Year To Min Price

Max Price Page Size: 5 Availability Deleted Status [Search](#) [Clear](#)

Confirm Delete

Are you sure you want to delete this book?
This action cannot be undone.

[Cancel](#) [Delete](#)

Title	Author	Genre	Status	Actions
ASP.NET Core in Action	Andrew Lock	.NET	Active	Info Cart Edit Delete
C# in Depth	Jon Skeet	C#	Active	Info Cart Edit Delete
Clean Code	Robert C. Martin	Programming	2008	9780132350884 £40.00 Available Active
Effective C#	Bill Wagner	C#	2017	9780135159941 £45.00 Available Active
Head First Design Patterns	Eric Freeman	Software Engineering	2020	9781492078005 £44.99 Available Active

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Steps:



















1. Click Delete icon.
2. Confirm deletion.

Result:

- Book status becomes Inactive.

11. Restore Book (Admin Only)

The screenshot shows the 'Book Management System' interface. At the top, there are navigation links: 'Book Details', 'Add Book', 'Overdue Books', and 'New User Register'. The user's role is 'Admin' and there is a 'Logout' button. The main section is titled 'Books' and contains a search form with fields for 'Search', 'Genre (exact)', 'Year From', 'Year To', 'Min Price', 'Max Price', 'Page Size' (set to 5), 'Availability', and 'Deleted Status'. A 'Search' button and a 'Clear' button are also present. Below the search form is a table of books. The first row is highlighted, and a modal dialog titled 'Restore Book' is open over it. The dialog asks 'Do you want to restore "ASP.NET Core in Action"?' and has 'Cancel' and 'Restore' buttons. The table has columns for 'Title', 'Author', 'Genre', 'Status', and 'Actions'. The first row shows 'ASP.NET Core in Action' by Andrew Lock, .NET, with a status of 'Inactive'. The second row shows 'C# in Depth' by Jon Skeet, C#, with a status of 'Active'. The third row shows 'Clean Code' by Robert C. Martin, Programming, 2008, with a status of 'Active'. The fourth row shows 'Effective C#' by Bill Wagner, C#, 2017, with a status of 'Active'. The fifth row shows 'Head First Design Patterns' by Eric Freeman, Software Engineering, 2020, with a status of 'Active'. The table also includes columns for ISBN, Price, and Availability. The bottom of the table shows 'Page 1 of 2 (7 total)' and 'Next' button.

Title	Author	Genre	Status	Actions
ASP.NET Core in Action	Andrew Lock	.NET	Inactive	 
C# in Depth	Jon Skeet	C#	Active	   
Clean Code	Robert C. Martin	Programming	Active	   
Effective C#	Bill Wagner	C#	Active	   
Head First Design Patterns	Eric Freeman	Software Engineering	Active	   

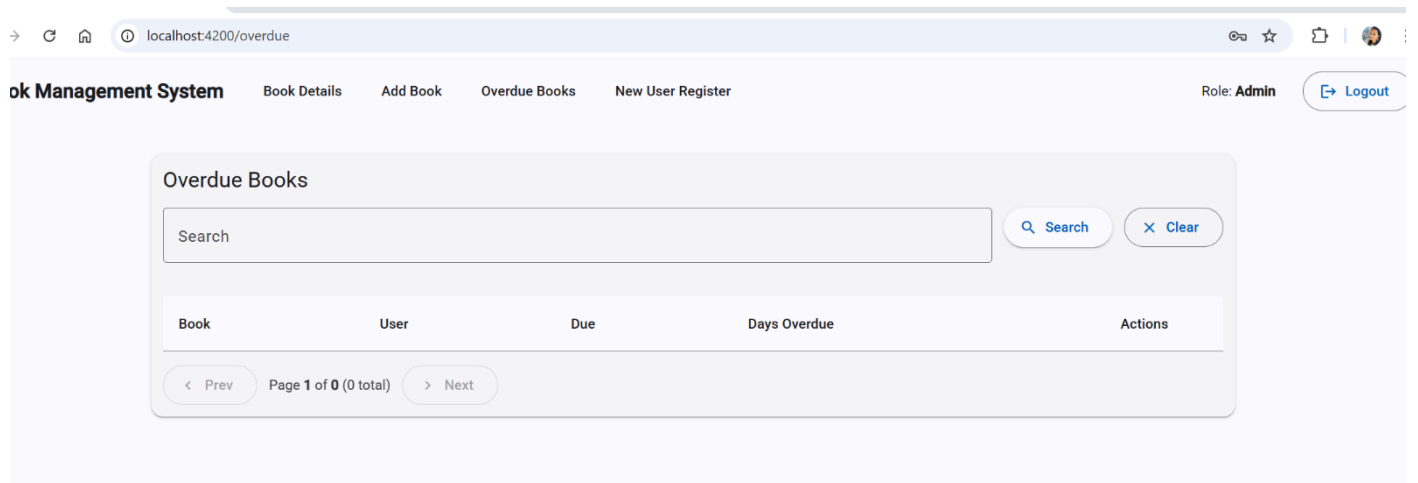
Steps:

1. Set filter: Deleted Status = Inactive.
2. Click Restore icon.
3. Confirm restore.

Book becomes:

- Active
- Available (if not borrowed)

12. Overdue Books



Shows:

- Books with due date passed
- Not yet returned

Used by:

- Admin to monitor overdue items

13. Logout

- Click **Logout** at top-right to exit.

❖ Note:

- Use filters to quickly find books.
- Deleted books are not permanently removed; they can be restored.
- Borrowed books must be returned before user can be borrowed again.