

Report-2

SLEEPYBOIS

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Project Anatomy

React and vite	NodeJS	Express	Axios	MongoDB
FRONT-END		BACK-END		DATA-BASE

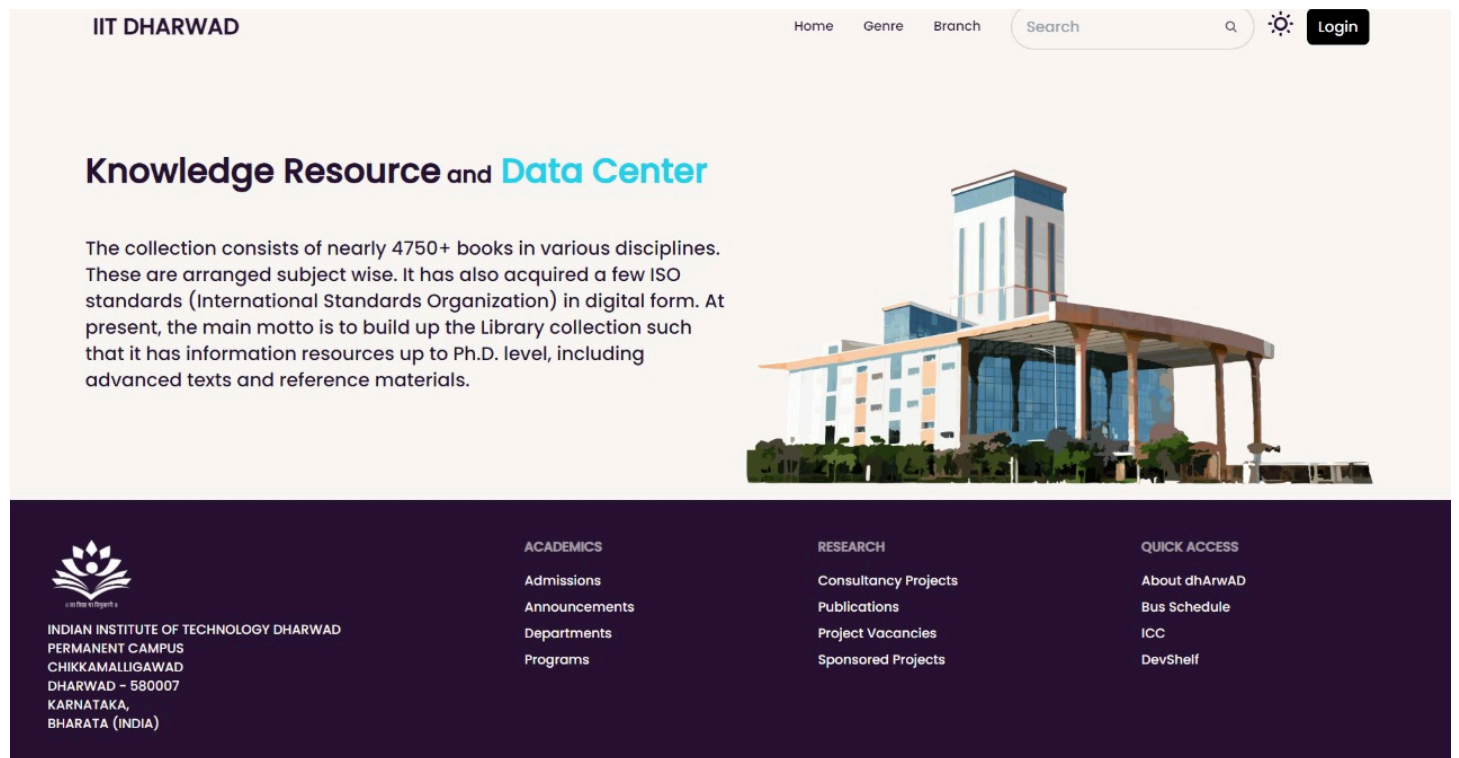
What We Envision.

TO BUILD A FUNCTIONAL LIBRARY MANAGEMENT SYSTEM(LMS) FOR ACADEMIC INSTITUTIONS USING FULL STACK WEB DEVELOPMENT TOOLS.USER-FRIENDLY INTERFACE,CREATING A LOGIN SYSTEM TO TRACK THE RECORD OF BOOKS,ABILITY TO SEARCH BOOKS THROUGH DATABASE.

What We Achieved

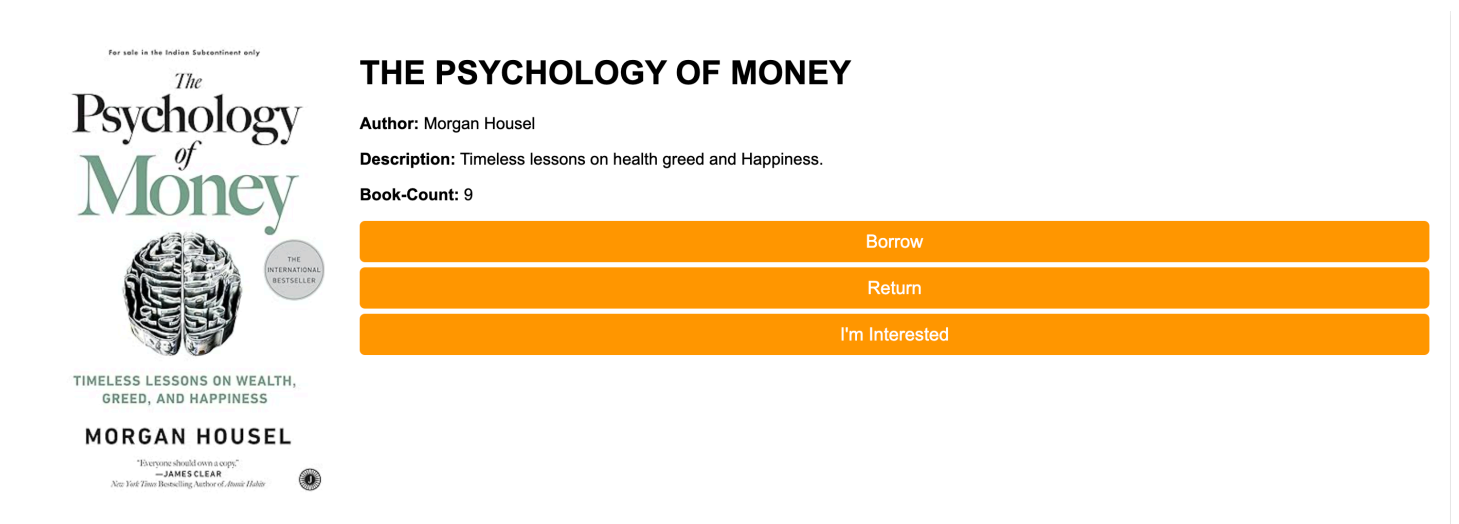
FRONTEND

Home page:



similarly all the pages

Book Page:



Footer:



INDIAN INSTITUTE OF TECHNOLOGY DHARWAD
PERMANENT CAMPUS
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BACKEND

DATABASE

MongoDB Compass - localhost:27017/library.books

Connect Edit View Collection Help

localhost:27017

My Queries Databases books +

localhost:27017 > library > books

Documents 7 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 7 of 7

```

_id: ObjectId('667d79ac50101571fbf1b8a1')
title: "Introduction to Algorithms"
description: "Comprehensive guide to algorithms with detailed explanations."
author: "Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Ste..."
genre: "Algorithms"
department: "Computer Science"
count: 9

```

```

_id: ObjectId('667d79ac50101571fbf1b8a2')
title: "Artificial Intelligence: A Modern Approach"
description: "Fundamental concepts and techniques in AI, covering a wide range of to..."
author: "Stuart Russell, Peter Norvig"
genre: "Artificial Intelligence"
department: "Computer Science"
count: 12

```

```

_id: ObjectId('667d79ac50101571fbf1b8a3')
title: "Clean Code: A Handbook of Agile Software Craftsmanship"
description: "Principles and best practices for writing clean, maintainable code."
author: "Robert C. Martin"
genre: "Software Engineering"
department: "Computer Science"
count: 13

```

```

_id: ObjectId('667d79ac50101571fbf1b8a4')
title: "Design Patterns: Elements of Reusable Object-Oriented Software"
description: "Classic book on design patterns for software development."
author: "Erich Gamma, Richard Helm, Ralph Johnson, John Vlissides"
genre: "Software Engineering"
department: "Computer Science"

```

localhost:27017

My Queries Databases users +

localhost:27017 > library > users

Documents 0 Aggregations Schema Indexes 2 Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 2 of 2

```

_id: ObjectId('667f9e4ed73af12b346ba5b1')
email: "me23bt009@iitdh.ac.in"
password: "TonyStank"
__v: 0

```

```

_id: ObjectId('667f9f5cdcd7c3f8f7186d9f')
email: "mai hu gian"
password: "$2a$08$rjT/f7RqtFh52NrwaL5s2e7DotiyBb0yQqQ1JhHXs402/ixXnJQd5"
__v: 0

```

In Progress

- Integrating Frontend and Backend
- Implementing CSS Animations
- Color Scheme
- Reviews and comments section

Next Steps

Adding more functionalities like:

- Developing admin controls
- Better Filtering Page
- Ask Librarian feature
- Reminder to return the book

DevShelf Top Teams