FLORIDA ATLANTIC UNIVERSITY

BiblioTech

By: Juan Hernandez, Jamar Andrade, Dominic Wilson, Grant Fairfield, Bruno De Nadai Mundim

Team Members

Jamar Andrade

- (Scrum Master and Backend Developer) milestone documents, managing scrum meetings, and setting priorities for the team, Github contributor, Data definition, Overview, scenarios, use cases.

Dominic Wilson

- Front end developer, Milestone documents and presentation, Functional Specifications, Non-Functional specifications, List of non-functional requirements, Initial list of high-level functional requirements ,Executive summary, Github contributor,Data definition.

Juan Hernandez

- Front end developer,Title page, Product and executive summary, High-level system architecture and database organization, Usability test plan developer, QA test plan developer, Post-project analysis, Milestone documents and presentation, Github contributor,Data definition.

Grant Fairfield

- Back end developer, Milestone documents and presentation, Competitive analysis, Github contributor, Code documentation, Literature survey, Google analytics, Screenshots of the final product,Data definition.

Bruno De Nadai Mundim

- Product owner, Executive summary, Milestone documents and presentation, GUI mockup, UML diagrams, project demo videos, Github contributor,Data definition.

Product, Motivation, and Target Audience

Our purpose behind developing Bibliotech is to give the user(s) a platform to enjoy the world of reading. Our page gives the users a way to access their favorite books, discover more, and be able to borrow the books of their liking.

We developed this project to help everyone to have an easier time when accessing the books they desired. Our motivation is to give everyone the possibility to enjoy any book of their liking, it does not matter whether our users are experienced readers or just want to try to read a book.

Bibliotech targets are any individual who wants to read a book.

System Implementation and Infrastructure

Languages

- Frontend - HTML, CSS, JS, Bootstrap
- Backend - NodeJS

Data Base

- MongoDB (noSQL)

Library

- Google Books API (Book archive)
- Axios (HTTP Client)

Platforms

- Cross-platform (Windows, Linux and Mac OS)
- Desktop web browsers
- Mobile browsers

Online Library

Search for books...

Title	Author	Year	ISBN	Image Link

Online Library

Cart 0 logout

engineering

Title	Author	Year	ISBN	Image Link	
The Fascinating Engineering Book for Kids	Jacie Maslyk	2022	9798886085365		Add to Cart
Engineering Elephants	Emily M. Hunt	2010	9781449058166		Add to Cart
Chaos Engineering	Casey Rosenthal	2020	9781492043812		Add to Cart
Resilience Engineering	Erik Hollnagel	2006	0754649040		Add to Cart

Functionalities and Non-Functional Requirements

Functionalities

- Browse the library
- Cart
- Create an account
- Sign in

Non-Functional Requirements

- The language used shall be english.
- Data shall be stored on the database on the server
- The site shall be intuitive and easy to use.
- Security of the site be require user register and log in
- The application shall run on the latest versions of all major web browsers: Mozilla, Safari, Chrome, Edge, Firefox.
- Privacy of users shall be protected.

Completed Features

Users will have access to the following features:

- Login: Users will be able to login to an account using their email and password
- Cart: Users will be able to add their desired books to the cart for checkout.
- Search bar: Users will be able to use the search bar to find the books they are looking for using keywords.
- Remove: User will be able to remove books they wish not to take in the cart.

Uncompleted Features

Users will not have access to the following features due to various reasons:

- Rating: Ability for a user to rate the books they have read or borrowed
  - *Time constraints: This feature would have been implemented provided the team had more time for research and development*
- Wishlist: Ability for a user a add books to a wishlist to save for the future
  - *Time constraints: The team had made progress on this feature as it was very feasible but lacked sufficient time*
- 2FA: Integration with an authentication system for a more secure user experience
  - *Complexity: This feature would have required extensive research for the team, effectively adding an entire other layer of complexity with an authentication system, that of which the team is not familiar with*
- Book recommendation: Integration with a third-party API for recommending books
  - *Complexity/Time: This feature requires extensive time in researching an external API documentation and experience working with similar API systems. The team lacked in time and sufficient experience to implement this.*

Knowledge gained and Lessons Learned

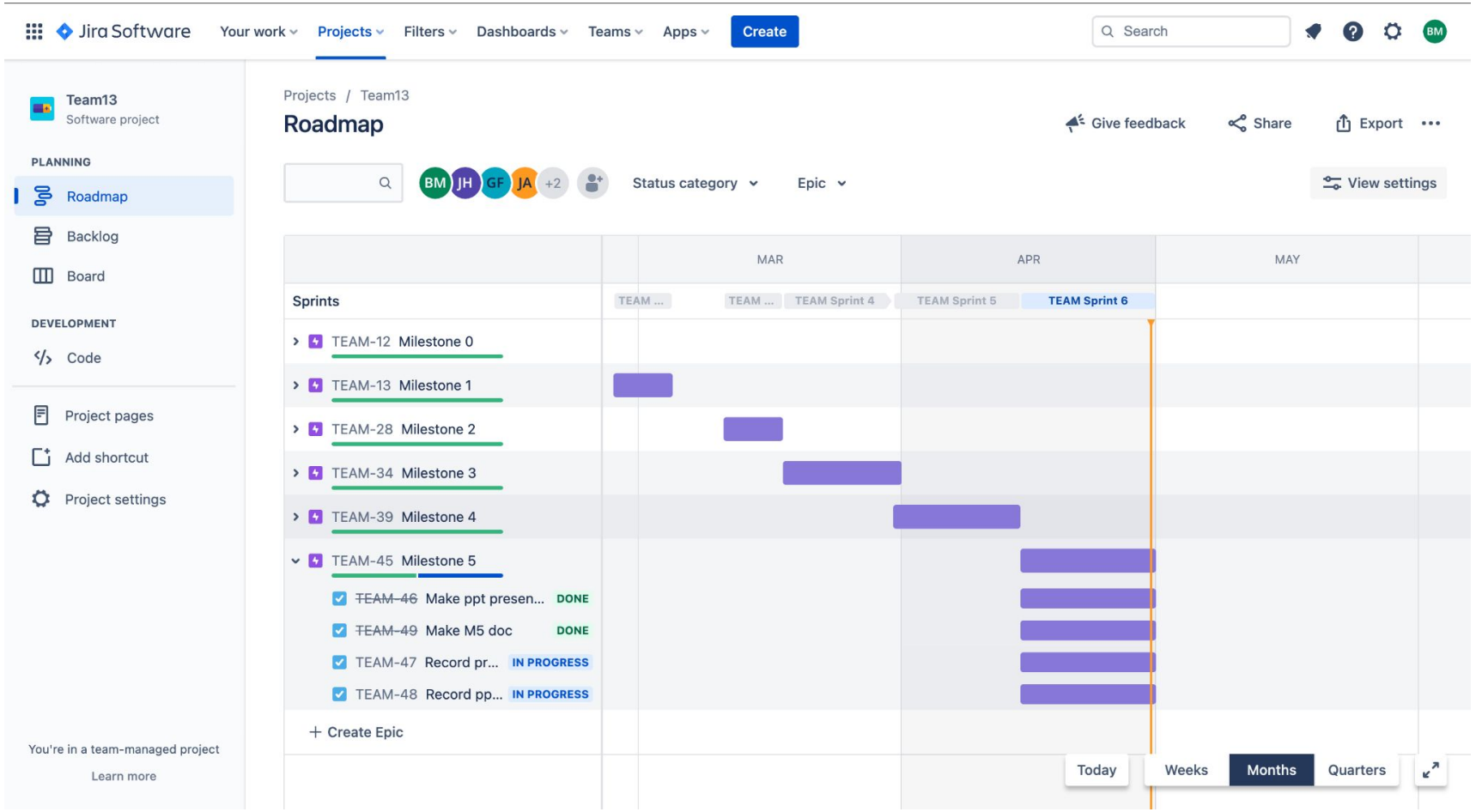
- The importance of effective communication and collaboration in a team project.
- The value of proper planning and time management.
- The need to continuously learn and adapt to new technologies.
- The importance of thorough testing and quality assurance.
- The experience of working with GitHub for a team project.
- The experience of working under agile software development
- The application of software development concepts learned in class.
- The importance of repeatedly discussing in detail the functionalities of the project to ensure all team members are working towards the same goal.

PROJECT

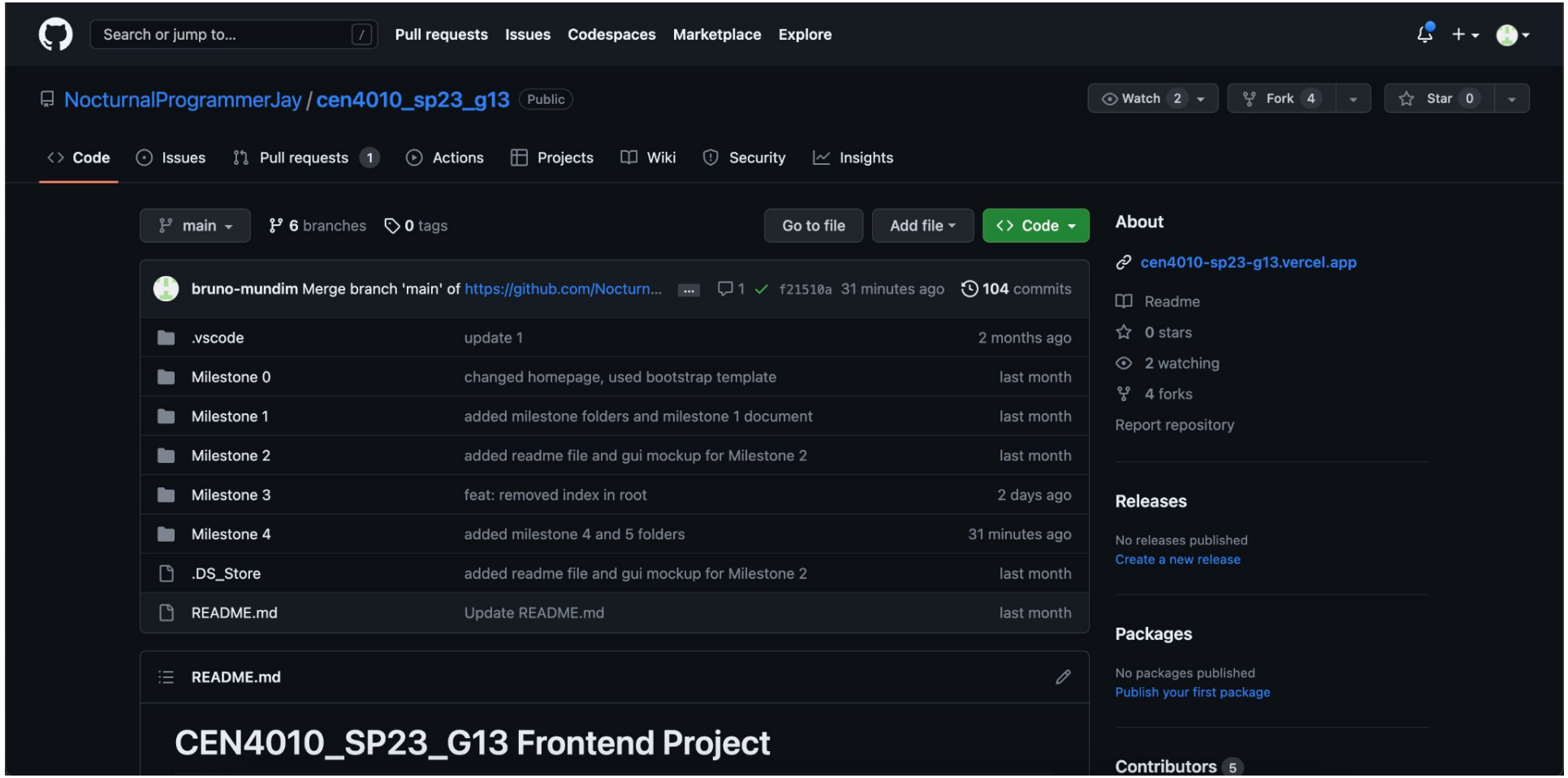
DEMONSTRATION

YouTube link: https://youtu.be/PA_iY1wNCJI

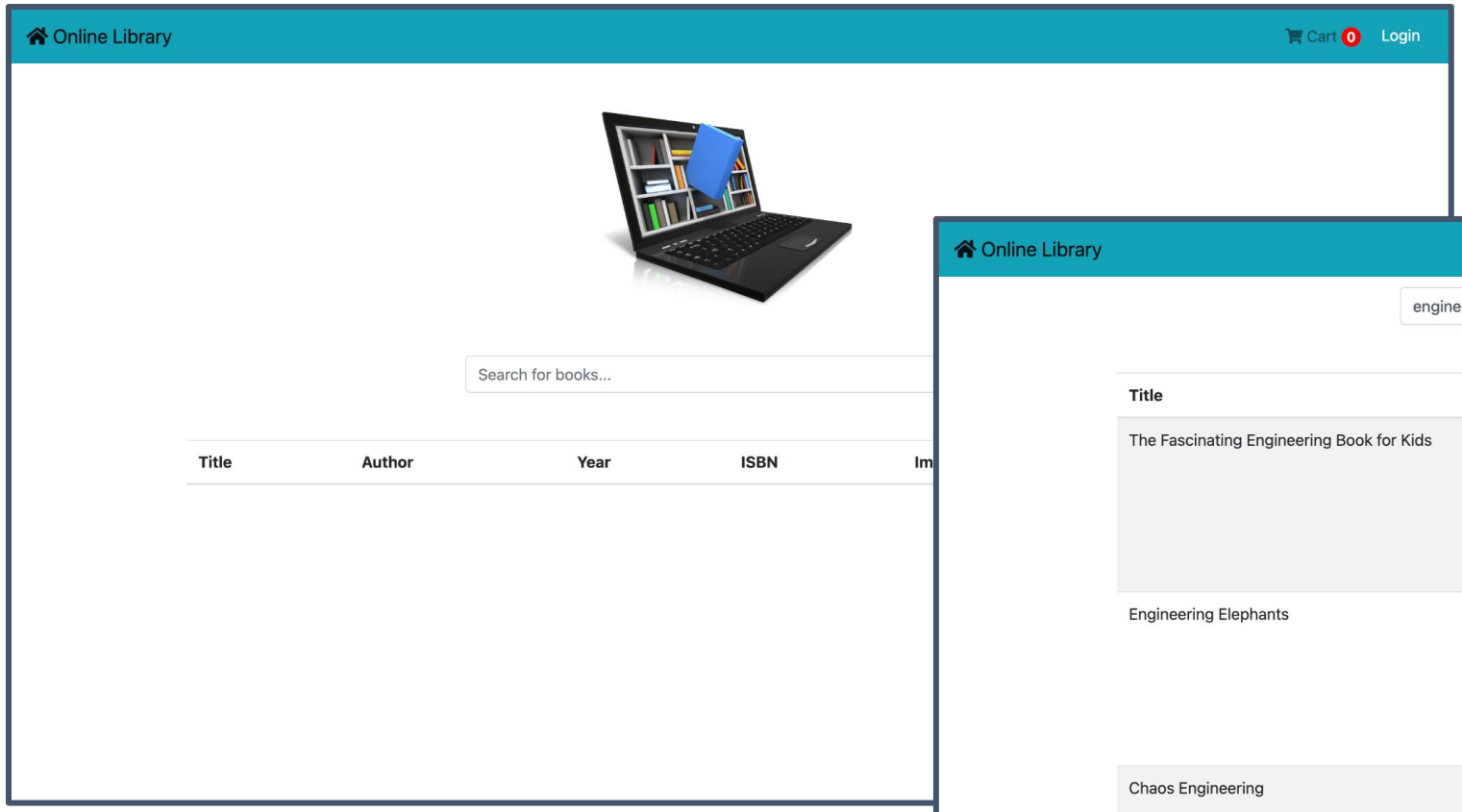
Jira workspace

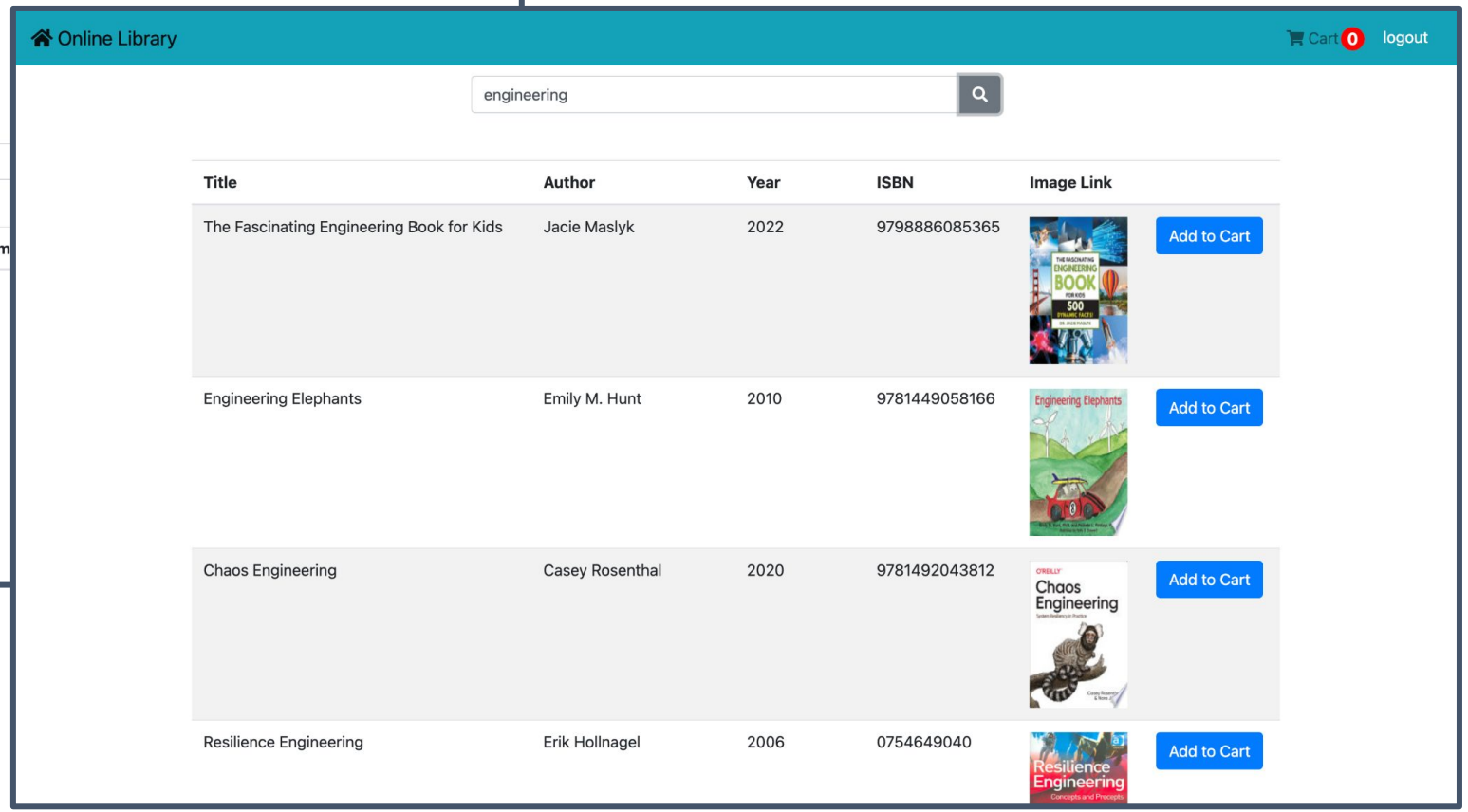


Github


Search or jump to...
Pull requests
Issues
Codespaces
Marketplace
Explore
NocturnalProgrammerJay / cen4010_sp23_g13
Public
Watch 2
Fork 4
Star 0
Code
Issues
Pull requests 1
Actions
Projects
Wiki
Security
Insights
main
6 branches
0 tags
Go to file
Add file
Code
bruno-mundim Merge branch 'main' of https://github.com/Nocturn... 1 f21510a 31 minutes ago 104 commits
.vscode update 1 2 months ago
Milestone 0 changed homepage, used bootstrap template last month
Milestone 1 added milestone folders and milestone 1 document last month
Milestone 2 added readme file and gui mockup for Milestone 2 last month
Milestone 3 feat: removed index in root 2 days ago
Milestone 4 added milestone 4 and 5 folders 31 minutes ago
.DS_Store added readme file and gui mockup for Milestone 2 last month
README.md Update README.md last month
README.md
CEN4010_SP23_G13 Frontend Project
About
cen4010-sp23-g13.vercel.app
Readme
0 stars
2 watching
4 forks
Report repository
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Contributors 5

Product screenshots





Product screenshots

Online Library Logout Borrowed Books

MY CART

Title	Author	Year	ISBN	Image Link	
The Fascinating Engineering Book for Kids	Jacie Maslyk	2022	9798886085365		Remove from Cart

Checkout

Online Library Cart 0 Logout

My Library

Title	Author	Year	ISBN	Image Link	
Blue Lock 1	Yusuke Nomura	2021	9781636990033		Return Book
Blue Lock	Muneyuki Kaneshiro	2022	9781684915422		Return Book
The Fascinating Engineering Book for Kids	Jacie Maslyk	2022	9798886085365		Return Book