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School of Information Technologies

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Home project „BookHub“

Home project for "Web Applications with C#"

Tallinn 2024

Sisukord

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Author's declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

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25.02.2024

1 Introduction

Currently, a substantial segment of online bookstores primarily focuses on facilitating book sales, often leaving customers to navigate their choices solely based on reviews or explore related forums for information. The idea behind this project is to develop a commercially oriented online bookshop that not only streamlines the process of purchasing books in both physical and electronic formats but also cultivates a space for dynamic discussions about the content. This initiative encompasses two integral components: the online bookstore named "BookHub", and the associated discussion forum titled "BookHub Forums."

"BookHub Forums" provides users with a diverse range of interactive features, including:

1. Joining interest groups tailored to specific themes such as authors, individual books, or user communities.
2. Empowering users to initiate and contribute to discussions by creating topics within these communities and commenting on threads initiated by fellow users.
3. Offering a curated news feed to keep users informed about the latest developments, releases, and discussions within their chosen interest groups.

On the other hand, "BookHub" serves as a comprehensive online bookstore, offering users the following capabilities:

1. A robust search functionality that allows users to find books effortlessly by title or author, enhancing the overall user experience.
2. The flexibility to acquire both physical copies and electronic versions of books, catering to the diverse preferences of readers.
3. Providing users with the ability to share their opinions and experiences by rating books, leaving comments, and tracking their progress as they delve into the literary world.
4. "BookHub" offers a convenient feature for users, allowing them to easily check the current availability of books in our warehouses.

Additionally, the seamless integration between "BookHub" and "BookHub Forums" ensures a cohesive user experience. Users will have the convenience of navigating directly from the product page on "BookHub" to the corresponding discussion forum on "BookHub Forums". This feature aims to enhance user engagement by providing a direct pathway for readers to delve into discussions, share their thoughts, and connect with fellow enthusiasts immediately after exploring or purchasing a book. By facilitating this smooth transition, the project aims to foster a vibrant literary community, where the exchange of ideas and opinions seamlessly complements the act of discovering and acquiring books.

2 Design

2.1 Account creation and login form

Figure 1 shows main screen, figure 2 shows registration, figure 3 shows authorisation.

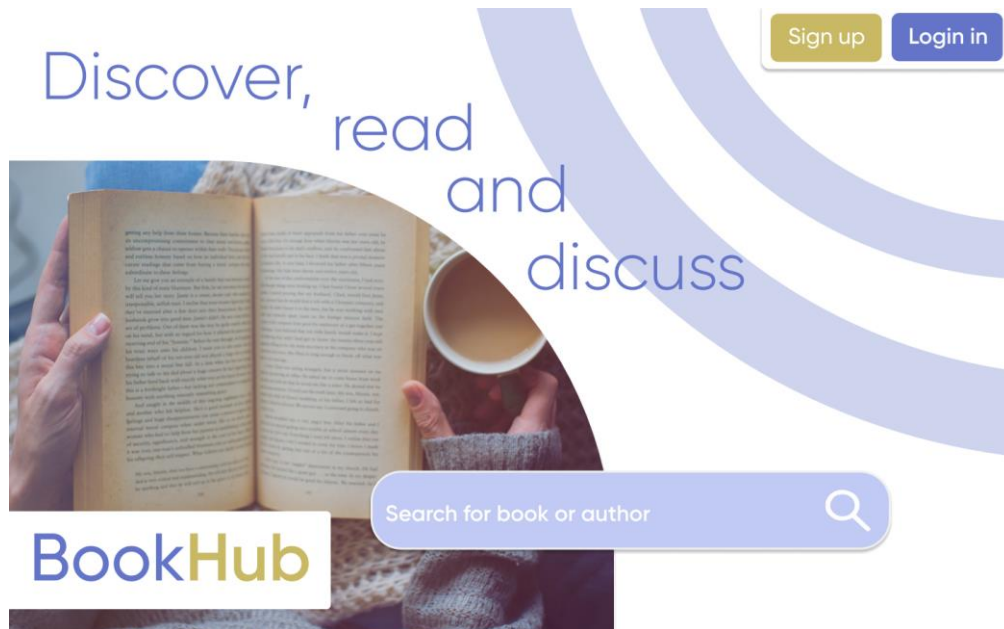


Figure 1. Main page

The registration form design for BookHub is a vertical layout. At the top, the word "Registration" is written in a large, blue, sans-serif font. Below it, there are three input fields: "Login" (with a placeholder "Enter your login"), "e-mail" (with a placeholder "Enter your e-mail"), and "Password" (with a placeholder "Enter your password"). Each field has a blue border and a blue placeholder text. Below the input fields is a blue button with the text "Create account" in white. At the bottom, the "BookHub" logo is displayed in blue and yellow. In the top right corner, there are two buttons: "Sign up" in a yellow box and "Login in" in a blue box.

Figure 2. Registration

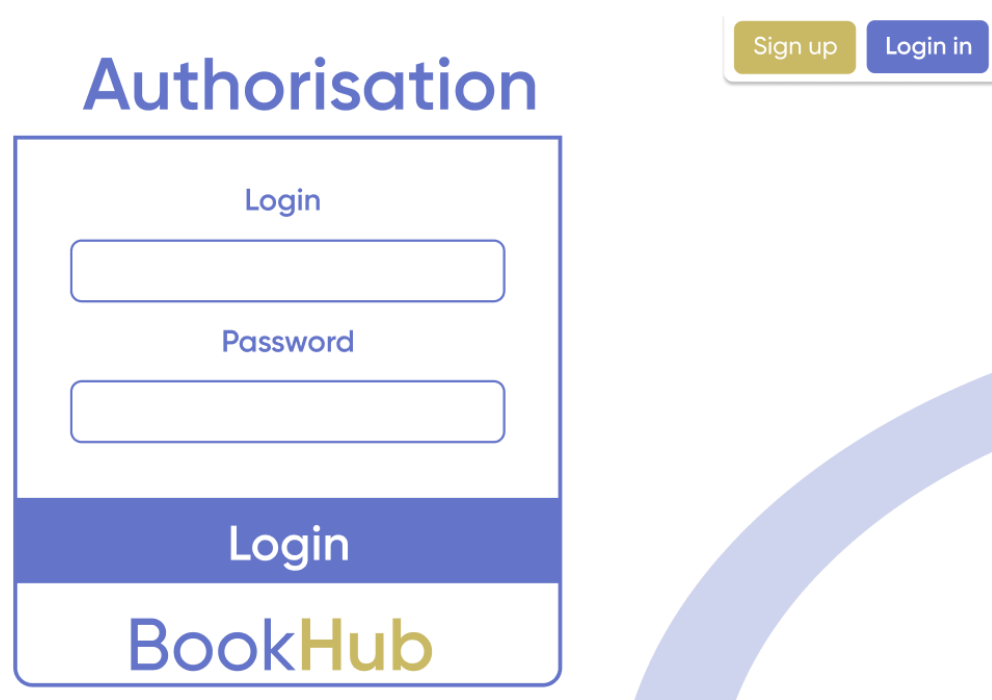


Figure 3. Authorisation

2.2 BookHub

Figure 4 shows bookstore page where book can be purchased. Figure 5 shows Figure 4 but book is bought. Figure 6 shows book list in search. Figure 7 shows book progress.

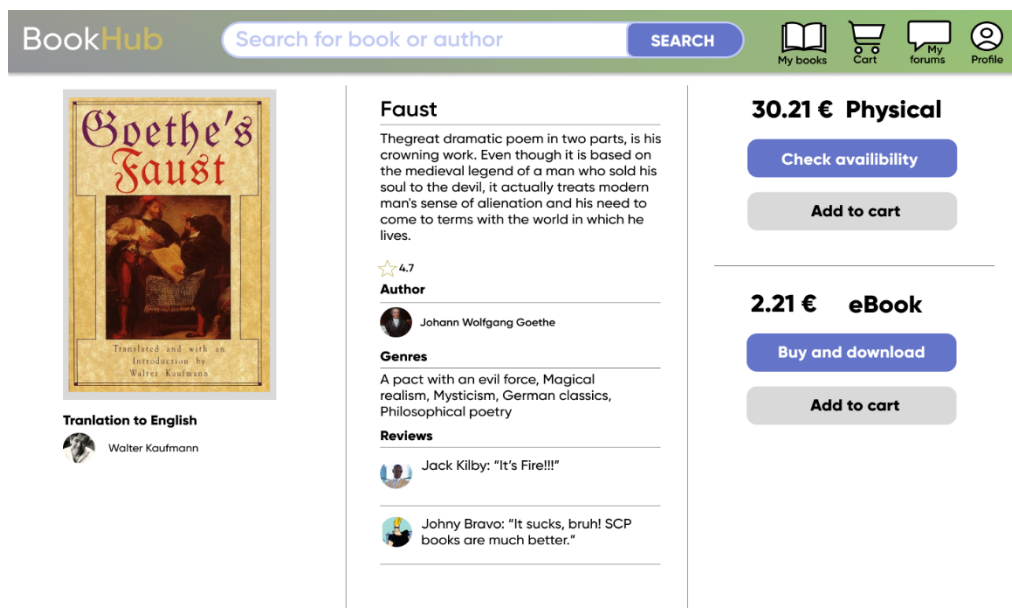


Figure 4. Book store

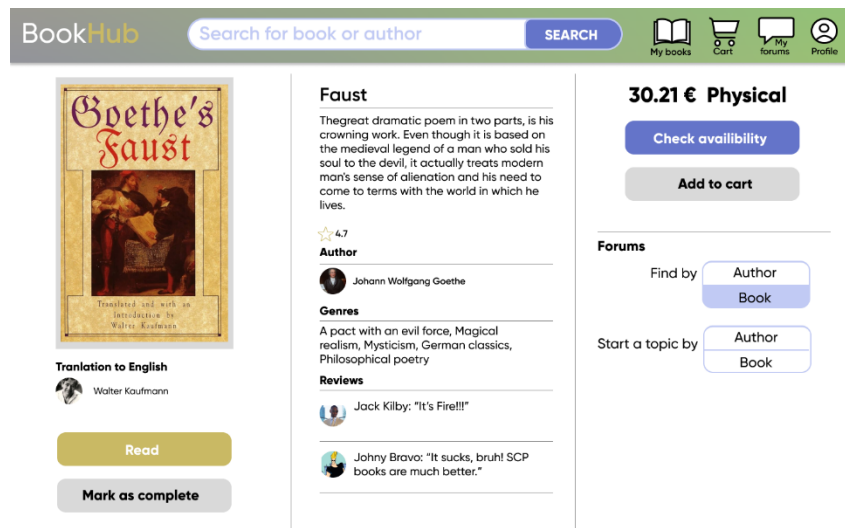


Figure 5. Book page

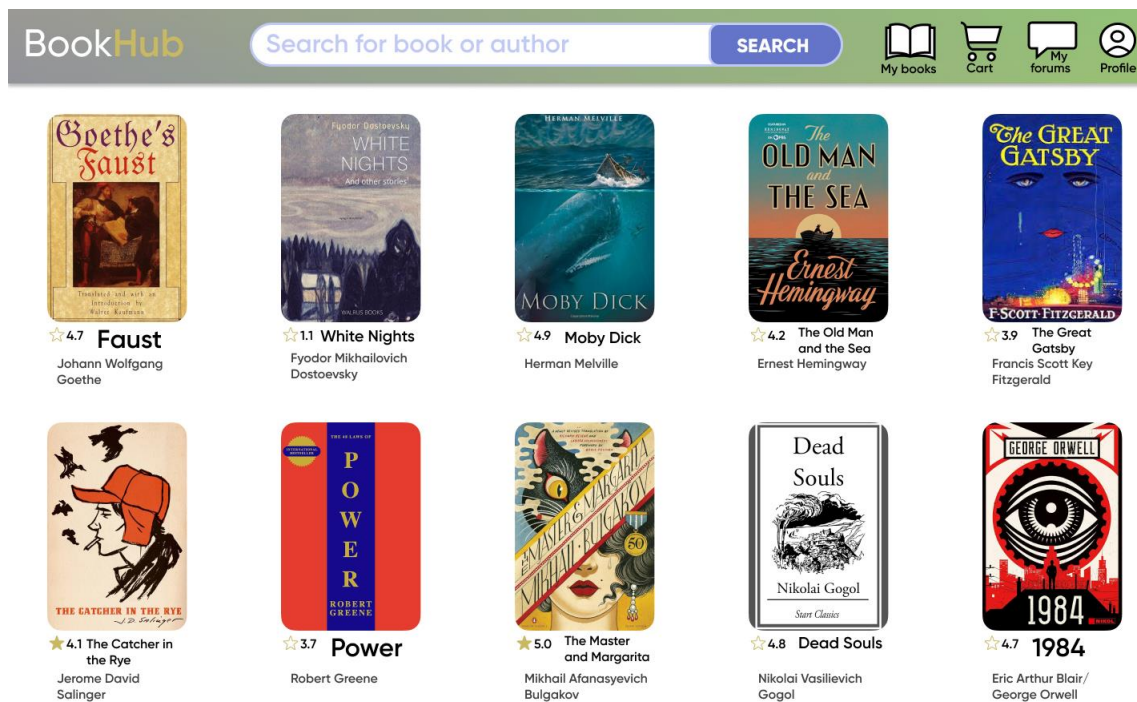


Figure 6. Book search

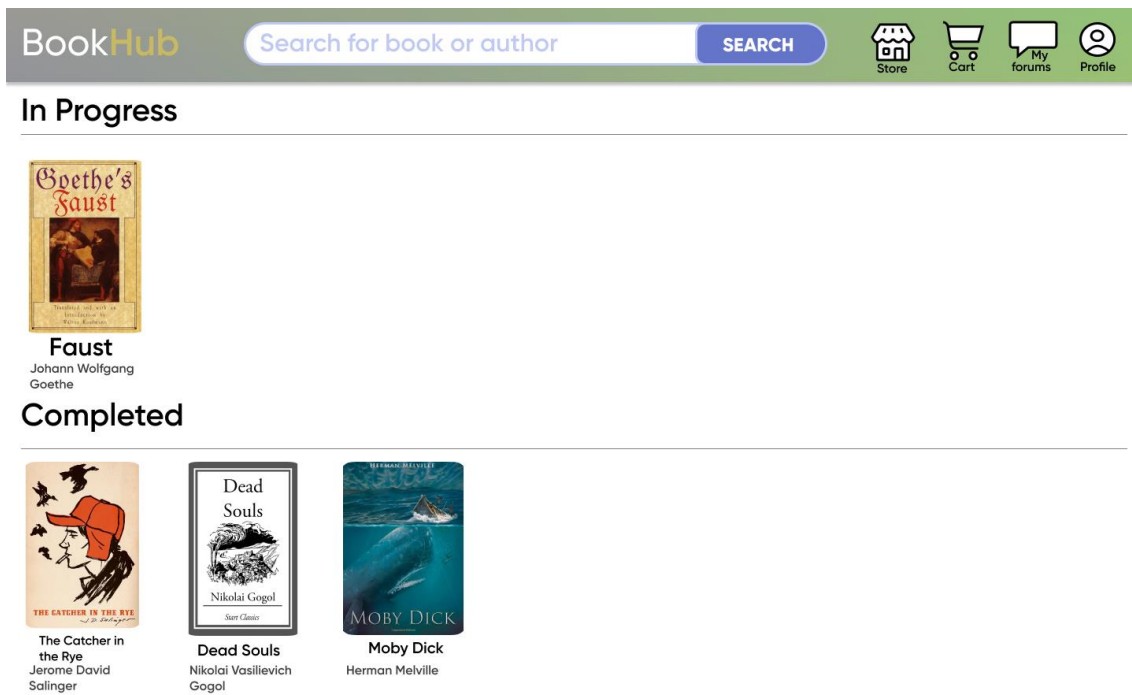


Figure 7. Book list

2.3 BookHub forums

Figure 8 shows BookHub forums feed. Figure 9 shows community page. Figure 10 shows authors list page.

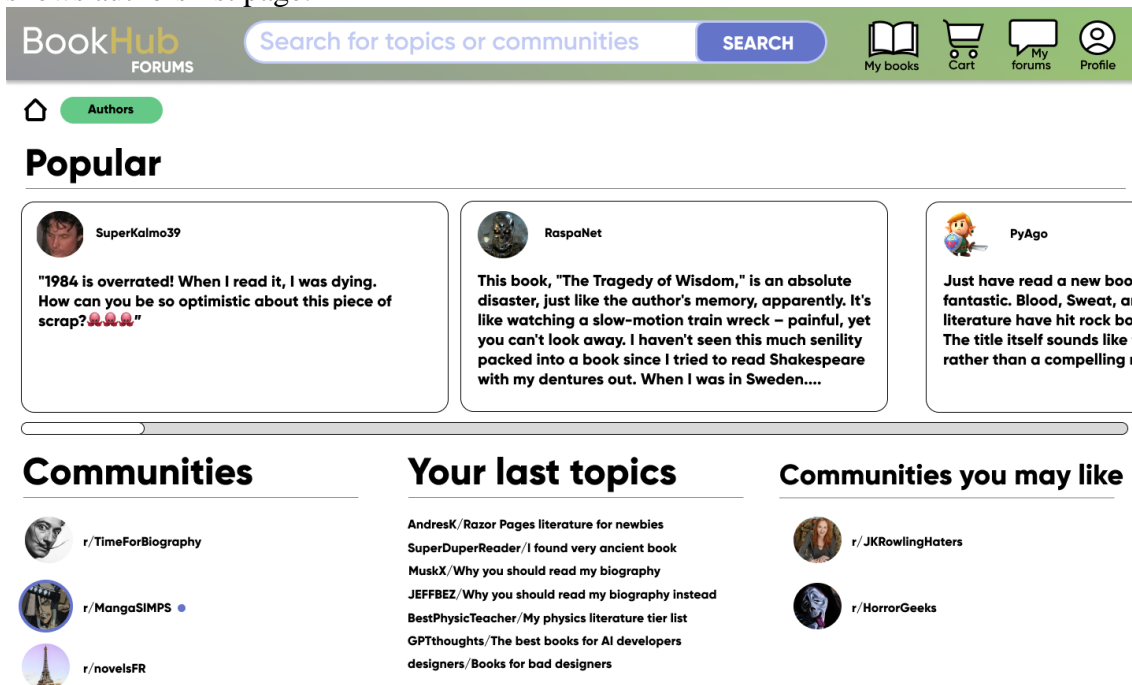


Figure 8. Main Forum page

BookHub

FORUMS

Search for book or author topics

SEARCH

My books

Cart

My forums

Profile

Authors

a/Mikhail Bulgakov

Start a topic

Join

u/beeKeeper19

Master and Margaritha is masterpiece!!! Or not 🍷

u/superSayan

Is it true that his favourite writer was Gogol?

u/Genius2009

Why Bulgakov hate mushrooms, explanation

u/DeepThoughts_BANZAI

Bible references

Biography

Mikhail Bulgakov was a Soviet playwright, novelist, and short-story writer best known for his humour and penetrating satire. Also known for Master and Margaritha.

Figure 9. Community page

BookHub

FORUMS

Search for book or author topics

SEARCH

My books

Cart

My forums

Profile

Authors

A

1. Jane Austen
2. Maya Angelou
3. Louisa May Alcott

B

1. Ray Bradbury
2. Charlotte Brontë
3. J.M. Barrie

C

1. Agatha Christie
2. Lewis Carroll
3. J.M. Coetzee

D

1. Fyodor Dostoevsky
2. Roald Dahl
3. Emily Dickinson

E

1. George Eliot
2. T.S. Eliot
3. Ralph Waldo Emerson

F

1. F. Scott Fitzgerald
2. William Faulkner
3. Ian Fleming

G

1. Gabriel Garcia Marquez
2. Elizabeth Gaskell
3. Kahlil Gibran

H

1. Ernest Hemingway
2. Hermann Hesse
3. Thomas Hardy

I

1. Kazuo Ishiguro
2. Washington Irving
3. John Irving

J

1. James Joyce
2. Jack London
3. P.D. James

K

1. Franz Kafka
2. Jamaica Kincaid
3. Rudyard Kipling

L

1. Harper Lee
2. C.S. Lewis
3. Gabriel Garcia Lorca

M

1. Gabriel Garcia Marquez
2. Herman Melville
3. A.A. Milne

N

1. Vladimir Nabokov
2. Audrey Niffenegger
3. Pablo Neruda

O

1. George Orwell
2. Flannery O'Connor
3. Ogden Nash

O

1. George Orwell
2. Flannery O'Connor
3. Ogden Nash

P

1. Jodi Picoult
2. Edgar Allan Poe
3. Sylvia Plath

Q

1. Anna Quindlen
2. Arthur Quiller-Couch

R

1. J.K. Rowling
2. J.D. Salinger
3. Sir Walter Scott

S

1. William Shakespeare
2. Dr. Seuss
3. Mary Shelley

Figure 10. Authors page

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3 ERD schema

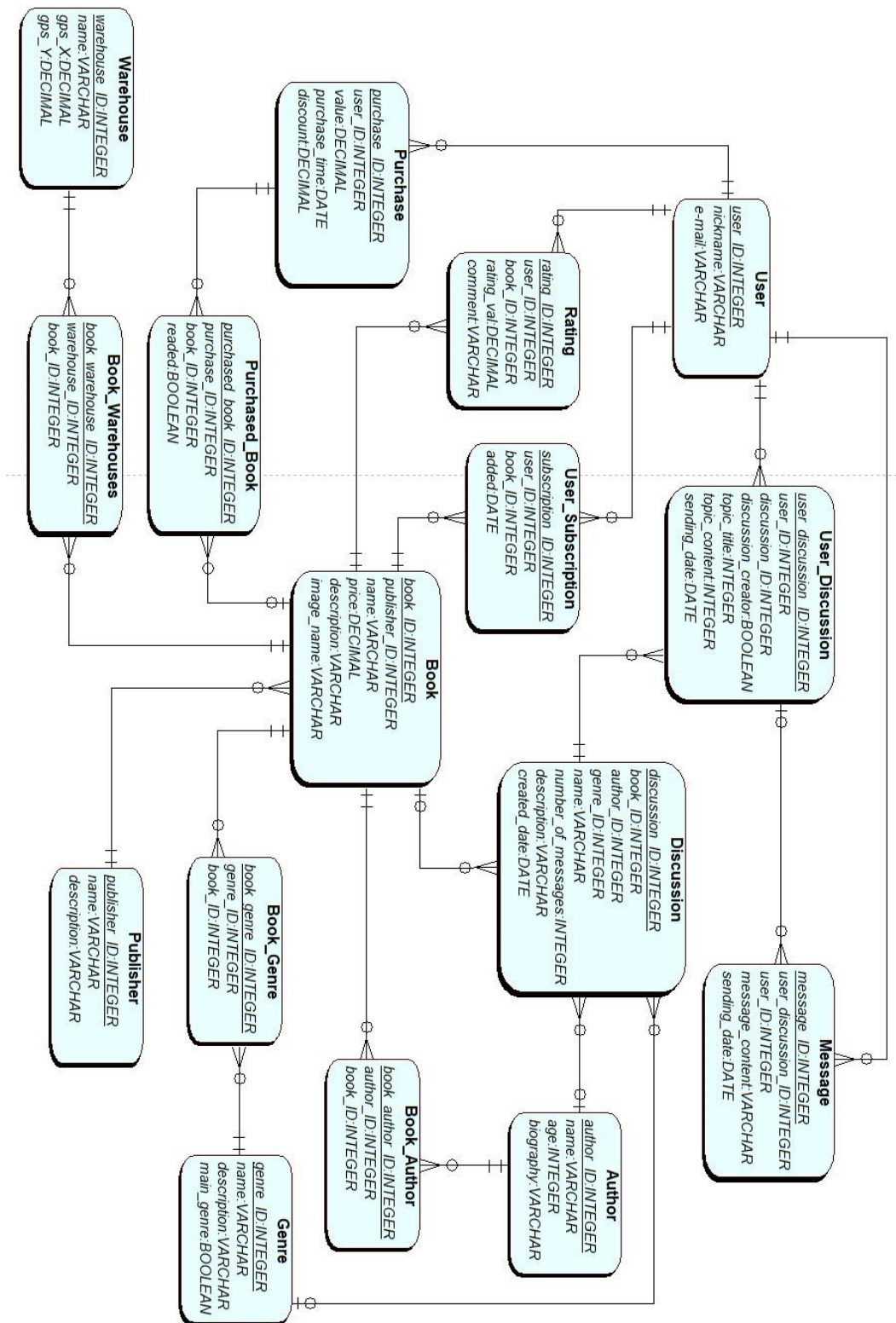


Figure 11. ERD schema