



Bilkent University

Department of Computer Engineering

CS 353

Database Management Systems

Term Project

Final Report

BookHub

Project Group Members

Adil Meriç	21802660
Arda Akça Büyük	21802835
Emin Adem Buran	21703279
Onur Oruç	21702381

May 17, 2021

Table of Contents

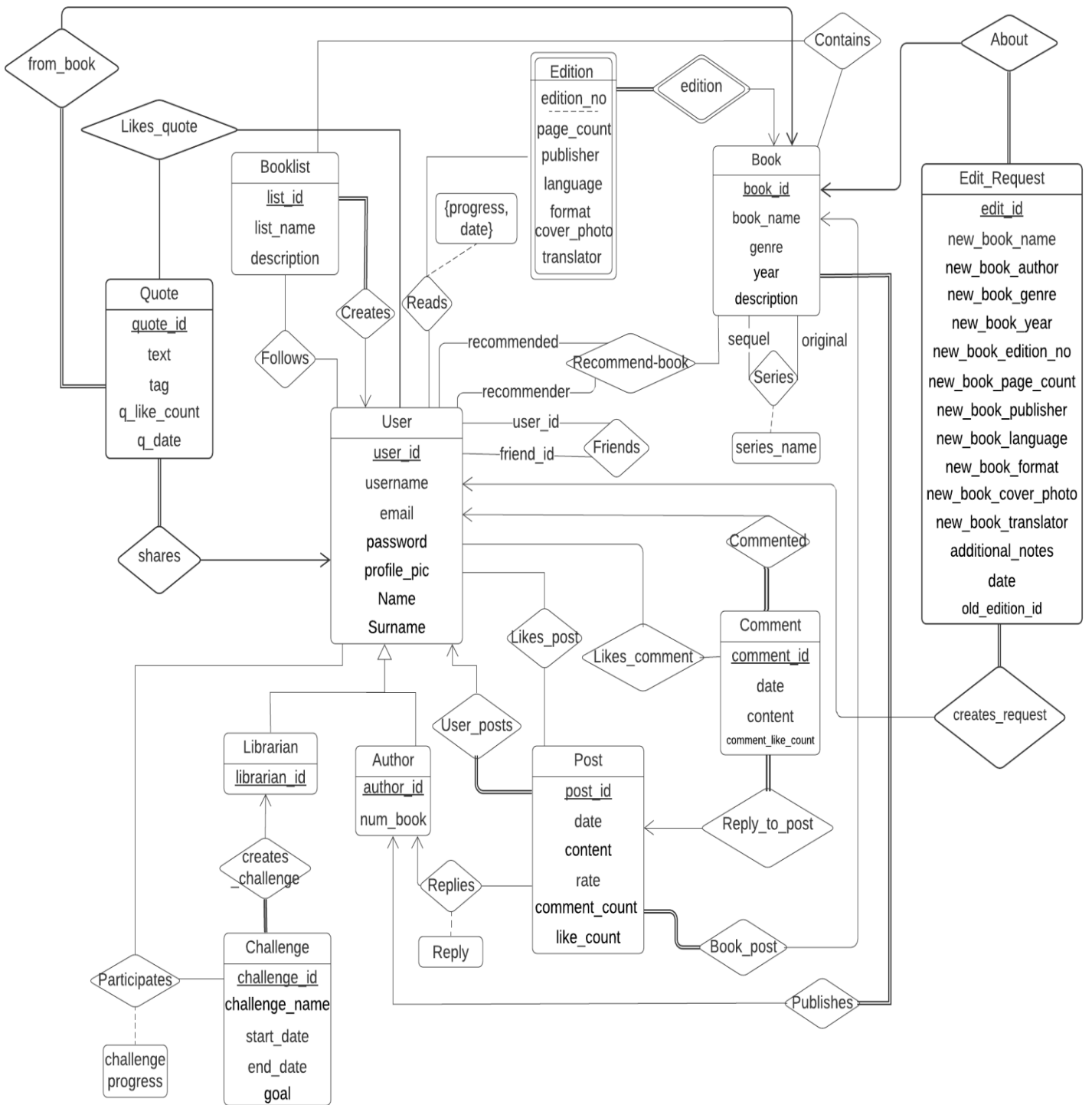
1. Overview	3
2. Final E/R	5
3. Final List of Tables	6
3.1 Quote	6
3.2 Book	6
3.3 Edition	6
3.4 Series	6
3.5 Edit_Request	7
3.6 Booklist	7
3.7 Contains	7
3.8 Follows	7
3.9 Participate	8
3.10 Challenge	8
3.11 Post	8
3.12 Likes_post	8
3.13 Recommend_Book	9
3.14 Replies	9
3.15 Friends	9
3.16 Comment	9
3.17 Likes_quote	10
3.18 Likes_comment	10
3.19 Reads	10
3.20 User	10
3.21 Librarian	11
3.22 Author	11
4. Implementation Details	12
4.1 Tools and Frameworks	12
4.2 Challenges	12
5. Advanced DB Features	12
5.1 Reports	12
6. User's Manual	14
6.1 Login	14
6.2 Register	15
6.3 Challenges	16
6.4 Book Profile	17
6.5 Librarian Profile	18
6.6 Home Page	19
6.7 Book Reviews	20
6.8 Recommend	21
6.9 Recommendations	22

6.10 Erroneous Information Request Review	23
6.11 Booklist	24
6.12 Book Quotes	25
6.13 Erroneous Information Request	26
6.14 Add Book to Booklist	27
6.15 Post Review Page	28
6.16 Edit Progress	29
6.17 Author Profile	30
6.18 Post Quote	31
6.19 Create Challenge	32
6.20 Create Edition	33
6.21 Review Page	34
6.22 Create Booklist	35
6.23 Publish Book	35
6.24 User Profile	36
6.25 Statistics	37
6.26 Search Results	38
6.27 Search Book	39
6. Website	39

1. Overview

BookHub is a book management platform. There are three types of users in the platform which are users, authors and librarians. Users can search for books, authors, and users; track their progress on the books in the database, post reviews and quotes about them, create book lists, follow other people's book lists, add friends, recommend books to their friends and like/comment on their reviews. They also can join reading challenges that the librarians create, and request corrections upon erroneous information about books. Authors can publish books and add editions to their books. Librarians can create reading challenges and edit book information upon requests from users.

2. Final E/R



3. Final List of Tables

3.1 Quote

Relational Model

Quote(quote_id, text, tag, book_id, user_id)

Foreign Key: book_id references to Book

user_id references to User

Candidate Key: {quote_id}

3.2 Book

Relational Model

Book(book_id, book_name, description, author, genre, year, author_id)

Foreign Key: author_id references to Author

Candidate Key: {book_id}

3.3 Edition

Relational Model

Edition(edition_no, book_id, page_count, publisher, language, format, cover_photo, translator)

Foreign Key: book_id references to Book

Candidate Key: {(edition_no, book_id)}

3.4 Series

Relational Model

series(sequel_id, original_id, series_name)

Foreign Key: sequel_id references to Book

original_id references to Book

Candidate Key: {(sequel_id, original_id)}

3.5 Edit_Request

Relational Model

Edit_Request(edit_id, new_book_name, new_book_author, new_book_genre, new_book_year, new_book_edition_no, new_book_page_count, new_book_publisher, new_book_language, new_book_format, new_book_cover_photo, new_book_translator, additional_notes, user_id, book_id, date, old_edition_no)

Foreign Key: book_id references to Book

(old_edition_no, book_id) references to Edition

user_id references to User

Candidate Key: {edit_id}

3.6 Booklist

Relational Model

Booklist (list_id, list_name, description, user_id)

Foreign Key: user_id references to User

Candidate Key: {list_id}

3.7 Contains

Relational Model

Contains (list_id, book_id)

Foreign Key: list_id references to Booklist

book_id references to Book

Candidate Key: {(list_id, book_id)}

3.8 Follows

Relational Model

Follows (list_id, user_id)

Foreign Key: list_id references to Booklist

user_id references to User

Candidate Key: {(list_id, user_id)}

3.9 Participate

Relational Model

Participate (challenge_id, user_id, challenge_progress)

Foreign Key: list_id references to Booklist

challenge_id references to Challenge

user_id references to User

Candidate Key: {(challenge_id, user_id)}

3.10 Challenge

Relational Model

Challenge (challenge_id, challenge_name, start_date, end_date, goal, user_id)

Foreign Key: user_id references to Librarians

Candidate Key: {challenge_id}

3.11 Post

Relational Model

Post(post_id, book_id, date, content, rate, user_id, like_count, comment_count)

Foreign Key: user_id references to User

book_id references to Book

Candidate Key: {post_id}

3.12 Likes_post

Relational Model

Likes_post(user_id, post_id)

Foreign Key: user_id references to User

post_id references to Post

Candidate Key: {(user_id, post_id)}

3.13 Recommend_Book

Relational Model

Recommend_Booklist(book_id, recommended_id, recommender_id)

Foreign Key: book_id references to Book

recommended_id references to User

recommender_id references to User

Candidate Key: {(book_id, recommended_id, recommender_id)}

3.14 Replies

Relational Model

Replies(post_id, user_id, reply)

Foreign Key: post_id references to Post

user_id references to Author

Candidate Key: {post_id}

3.15 Friends

Relational Model

Friends(user_id, friend_id)

Foreign Key: user_id references to User

friend_id references to User

Candidate Key: {(user_id, friend_id)}

3.16 Comment

Relational Model

Comment (comment_id, date, content, user_id, post_id)

Foreign Key: user_id references to User

post_id references to Post

Candidate Key: {comment_id}

3.17 Likes_quote

Relational Model

Likes_quote(user_id, quote_id)

Foreign Key: user_id references to User

quote_id references to Quote

Candidate Key: {(user_id, quote_id)}

3.18 Likes_comment

Relational Model

Likes_comment(user_id, comment_id)

Foreign Key: user_id references to User

comment_id references to Comment

Candidate Key: {(user_id, comment_id)}

3.19 Reads

Relational Model

Reads (book_id, user_id, edition_no, date, progress)

Foreign Key: (book_id, edition no) references to Edition

user_id references to User

book_id references to Book

Candidate Key: {(book_id, user_id, edition_no, date)}

3.20 User

Relational Model

User (user_id, username, email, password, profile_pic, name, surname)

Candidate Key: {user_id}

3.21 Librarian

Relational Model

Librarian (librarian_id)

Foreign Key: librarian_id references to User

Candidate Key: {librarian_id}

3.22 Author

Relational Model

Author (author_id, num_book)

Foreign Key: author_id references to User

Candidate Key: {author_id}

4. Implementation Details

4.1 Tools and Frameworks

In this project we have used PHP, HTML, CSS, JavaScript, Bootstrap and MySQL. In the front-end of the project HTML/CSS, JavaScript and Bootstrap have been used. In the back-end of the project PHP has been used to connect to the database and make queries. As a database, MySQL has been used. We have tested and launched the project on our localhost (local database and server) created by XAMPP for Windows, MAMP for Mac.

4.2 Challenges

We, all of the team members, were not familiar with the web development tools and frameworks. We all have learned how to connect to a database, how to execute queries and show the results of the queries to the user visually. We have struggled to learn PHP and how to incorporate PHP into HTML. As a result, with the help of collaboration and hard work, we have overcome those challenges.

One of the problems we have faced was passing parameters between pages (php files). We have struggled on passing parameters. We knew how to pass parameters with POST action, but we didn't have any idea about GET action and the `$_GET` variable of php. At the end, we have learned how to pass parameters using GET. We have added parameters to the link as an extension. For example, for a specific user with username adil, we have used the user profile link as follows: `userprofile.php?uname=adil`. With this method, we easily accessed the username with `$_GET['uname']`.

4.3 Contributions

Arda Akça Büyük: Back-end: User profile, author profile, book page, librarian profile, booklist, post review, post comment, post quote, post american world, statistics, Adil'i Discord'a çağırmak, search book, login, register, search user, search author, site navbar, erroneous info request

Adil Meriç: Back-end: User profile, author profile, librarian profile, booklist, post review, post comment, like/unlike of comments and reviews, statistics, login, register, search page, scheduling group meetings, recommendations, erroneous request, team management, team leader.

Emin Adem Buran: Front-end: Homepage design, profile design, styling, design of the pages. navbar implementation, database creation. like/unlike quote, statistics.

group by book.book_id) as author_rates_book

group by author_id

order by author_rate DESC

LIMIT 5) as author_rates

where user.user_id = author.user_id

order by author_rate DESC;

Most Rated Authors

Name	Number of Books	Rate
Aziz Nesin	1	4.50
Fyodor Dostoyevski	2	4.33
Orhan Pamuk	1	4.00
George R.R. Martin	7	3.50
George Orwell	2	2.25

Top 5 most rated genres

select book.genre, ifnull(avg(rate),0) as rating

from book

left join post on book.book_id = post.book_id

group by book.genre

order by rating DESC

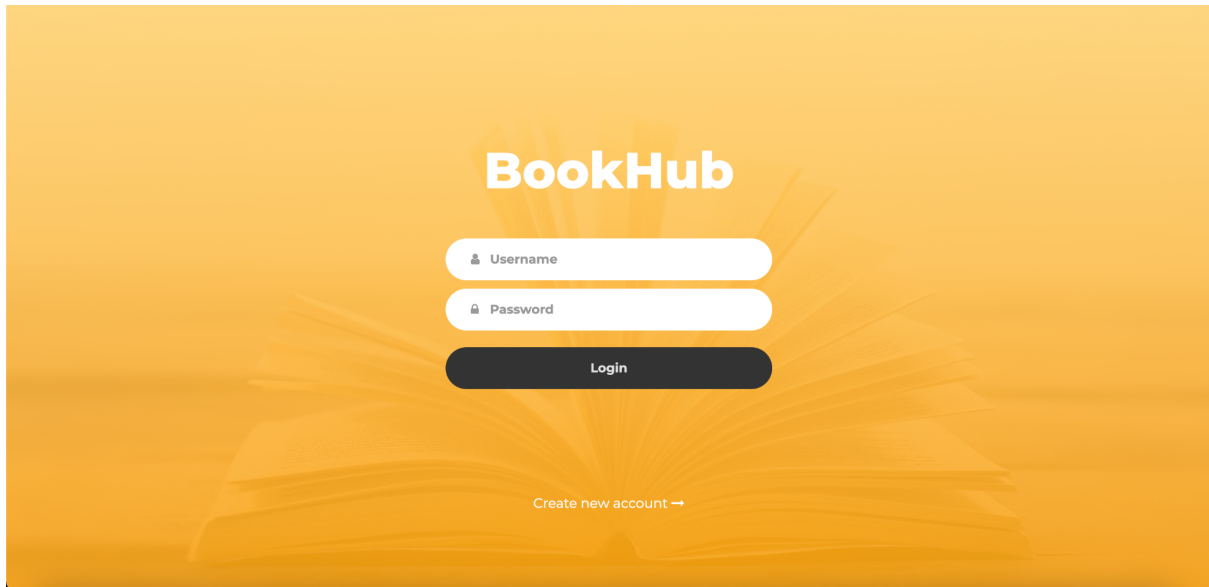
LIMIT 5;

Most Rated Genres

Genre	Rate
Novel	4.50
Crime	4.33
Fiction	3.67
Fantasy	3.50
Dystopia	1.00

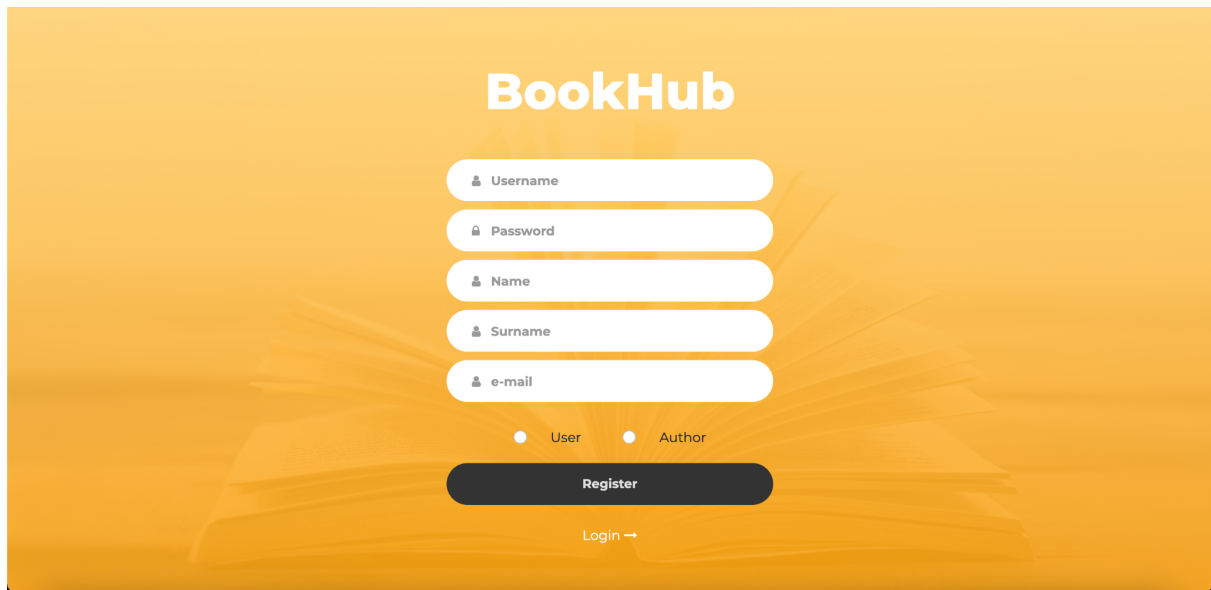
6. User's Manual

6.1 Login



This page is for regular users, authors, and librarians to log in to the system. There are two fields called username, and password. After entering the correct information, the user can enter the system by clicking the Login button. If any of the two fields are left blank, the page gives a warning indicating that the fields cannot be empty. If the information in any of the fields is wrong, the alert message “Invalid username or password!” is displayed and the user is redirected to the Login page. If the information is correct, the user is directed to the Home Page. If there is no account for the user, s/he can click the Create new account button and be directed to the Registration Page.

6.2 Register




The image shows a registration form for 'BookHub' on an orange background. The form includes the following elements:

- BookHub** (Title)
- Username
- Password
- Name
- Surname
- e-mail
- User
- Author
-
- [Login →](#)

This page is for people who do not have an account to register. The information needed to register is username, password, name, surname, and e-mail address. A person can register to the system as a regular user or an author by checking the boxes next to the User label or Author label. Only one of the boxes can be checked. In both cases, the information needed is the same. If the person does not change the user type (i.e., user or author), the page gives the warning “Please select one of these options!”. If one of them is selected but the information fields are empty, the page gives the warning message indicating that the fields cannot be empty. If the information supplied is correct, a new account is created. Then, the user can go back to the Login Page by clicking the Login button.

6.3 Challenges

 [Home Page](#) [Search Book](#) [Profile \(ardaakcabuyuk\)](#) [Challenges](#) [Recommendations](#) [Logout](#)

Challenges

Çelinc

Book Count: 3
Start Date: 05-05-2021
Deadline: 21-05-2021
Progress: 3 / 3

Completed

Reading Assignment

Book Count: 5
Start Date: 15-05-2021
Deadline: 20-05-2021

Join

This page is for displaying the challenges for a regular user. The past challenges are not listed. If the challenge is not past, the user can join the challenge. For each challenge that the user has **not** joined yet, the number of books needed to be read to accomplish the challenge, the start date of the challenge, and its deadline are listed. For each challenge that the user has already joined, in addition to the information listed for the challenges that the user has not joined yet, the progress of the user in the corresponding challenge is also displayed. If the user has already joined and completed the challenge, instead of a join button, there is a Completed button indicating that the user has accomplished the challenge.

6.4 Book Profile

The screenshot shows a web page for a book profile. At the top, there is a navigation bar with 'BookHub' and links for 'Home Page', 'Search Book', 'Profile (ardaakcabuyuk)', 'Challenges', 'Recommendations', and a 'Logout' button. The main content area features the book title 'A Feast for Crows' by George R.R. Martin, with the genre 'Fantasy' and the year '2005'. A small image of a person on a bicycle is shown. The description states it is the fourth novel in the 'A Song of Ice and Fire' series. A star rating system shows five stars with '(0.00)' below it, and buttons for 'Reviews', 'Quotes', and 'Post Quote'. Below this is an 'Editions' table with columns for Edition, Publisher, Page Count, Format, Language, and Translator. A single row shows Edition 16, Publisher IDIMeric, Page Count 300, Format Book, Language TR, and a button for 'Erroneous Info Request'. The 'Progress Steps' section has a table with columns for Date, Edition, and Progress, showing a single entry for 2021-05-10 21:48:04, Edition 16, and Progress 300. The 'Sequel Of' section has a table with columns for Year, Series Name, Title, and Author, showing the book is a sequel to 'A Song of Ice and Fire' (1996) by George R.R. Martin.

A Feast for Crows by **George R.R. Martin**
Genre: Fantasy
2005

Description:
A Feast for Crows is the fourth of seven planned novels in the epic fantasy series A Song of Ice and Fire by American author George R. R. Martin. The novel was first published on October 17, 2005, in the United Kingdom, with a United States edition following on November 8, 2005.

★ ★ ★ ★ ★
(0.00)
Reviews
Quotes Post Quote

Editions

Edition	Publisher	Page Count	Format	Language	Translator
16	IDIMeric	300	Book	TR	

Erroneous Info Request

Progress Steps

Date	Edition	Progress
2021-05-10 21:48:04	16	300


Sequel Of

Year	Series Name	Title	Author
1996	A Song of Ice and Fire	Game of Thrones	George R.R. Martin

The page above is the book profile (book page). In this page, each user type is able to access all information such as name, author, description about a specific book. Moreover, if the book belongs to a series, it shows the sequels of the book (if the book is the original book) or the original book (if the book is a sequel of another book). Edition information is also included in this page inside a table called Editions. A normal user can enter this page and add a progress to a specific edition. S/he may send an erroneous info request about a specific edition by clicking the corresponding erroneous info request button which will be explained detailly in the erroneous info screen. Moreover, he may recommend this book to a friend if the book is read by him. The author of the book may add a new edition to the book from this page.

6.5 Librarian Profile

BookHub [Home Page](#) [Search Book](#) [Profile \(librarian\)](#) [Challenges](#) [Statistics](#) [Logout](#)



Librarian
librarian librarianoğlu
@librarian
e-mail: lib@bilkent.edu.tr

Erroneous Information Correction Request

Date	User	Book	
2021-05-17 01:12:52	George Orwell	1984	Details

Reading Challenges [Create](#)

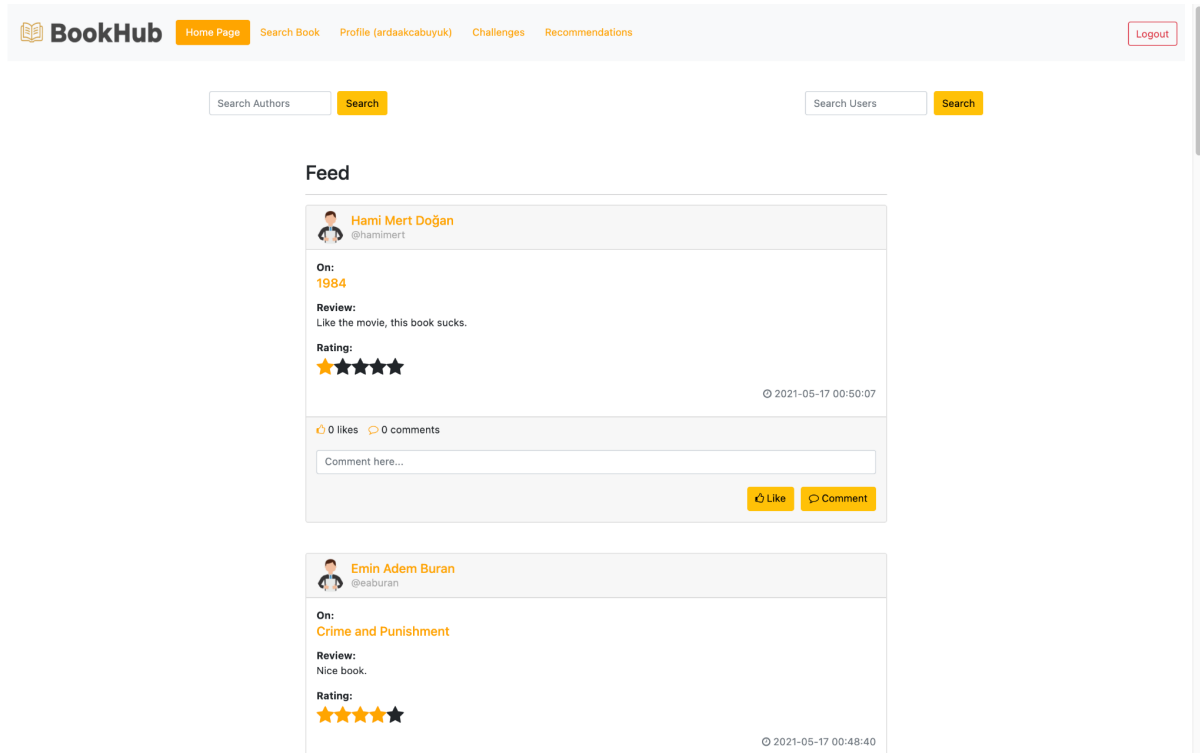
Title	Start Date	Deadline	Book Count	
Oku bakalım: AY1	13-04-2021	15-05-2021	15	Details
Çelinc	05-05-2021	21-05-2021	3	Details
Reading Assignment	15-05-2021	20-05-2021	5	Details

This page is for librarians to view their own profiles. At the top, the avatar of the librarian, his/her user type, name, username, and e-mail address are displayed.

There is a field for listing erroneous information correction requests made by a regular user or an author. For each request, the date on which the request has been made, the name of the user that sent the request, and the book name are listed. The librarian can see the details about the request by clicking the Details button. After s/he clicks the Details button, the librarian is directed to the page where the detailed information about the corresponding request is displayed.

There is another field for listing the challenges that the librarian created. For each challenge that the librarian has created, the title of the challenge, the challenge's start date and its deadline, and the number of books needed to be read to accomplish the challenge are listed. The librarian can see the details of a challenge (i.e., which users have joined the challenge and the number of books they have read so far) by clicking the Details button. The librarian can also create new challenges by clicking the Create button.


6.6 Home Page



The screenshot displays the BookHub Home Page. At the top, there is a navigation bar with the BookHub logo and links for Home Page, Search Book, Profile (ardaakcabuyuk), Challenges, and Recommendations. A Logout button is located in the top right corner. Below the navigation bar, there are two search bars: 'Search Authors' and 'Search Users', each with a yellow Search button. The main content area is titled 'Feed' and contains two review posts. The first post is by Hami Mert Doğan (@hamimert) and is a review of the book '1984'. The review text is 'Like the movie, this book sucks.' and the rating is 1 star. The second post is by Emin Adem Buran (@eaburan) and is a review of the book 'Crime and Punishment'. The review text is 'Nice book.' and the rating is 5 stars. Both posts include a timestamp, a '0 likes' and '0 comments' indicator, and a 'Comment here...' input field. At the bottom of each post, there are 'Like' and 'Comment' buttons.


This page is the first page that every type of user encounters after logging into the system. This page consists of reviews posted by user's friends. In this page all types of users can search an author or a user using the search bars at top of the page. They may change the page by clicking links in the navbar or links inside the posts.

6.7 Book Reviews


 **BookHub** [Home Page](#) [Search Book](#) [Profile \(ardaakcabuyuk\)](#) [Challenges](#) [Recommendations](#) [Logout](#)

Game of Thrones


by **George R.R. Martin**
Genre: Fantasy
1996




Description:
A Game of Thrones is the first novel in A Song of Ice and Fire, a series of fantasy novels by the American author George R. R. Martin. It was first published on August 1, 1996. The novel won the 1997 Locus Award and was nominated for both the 1997 Nebula Award and the 1997 World Fantasy Award. The novella Blood of the Dragon, comprising the Daenerys Targaryen chapters from the novel, won the 1997 Hugo Award for Best Novella. In January 2011, the novel became a New York Times Bestseller and reached No. 1 on the list in July 2011.


(5.00)
[Reviews](#)
[Quotes](#) [Post Quote](#)



Reviews

 **Onur Oruç**
@onuroruc

Review:
This book is fantastic! I loved it!

Rating:


© 2021-05-16 23:37:52

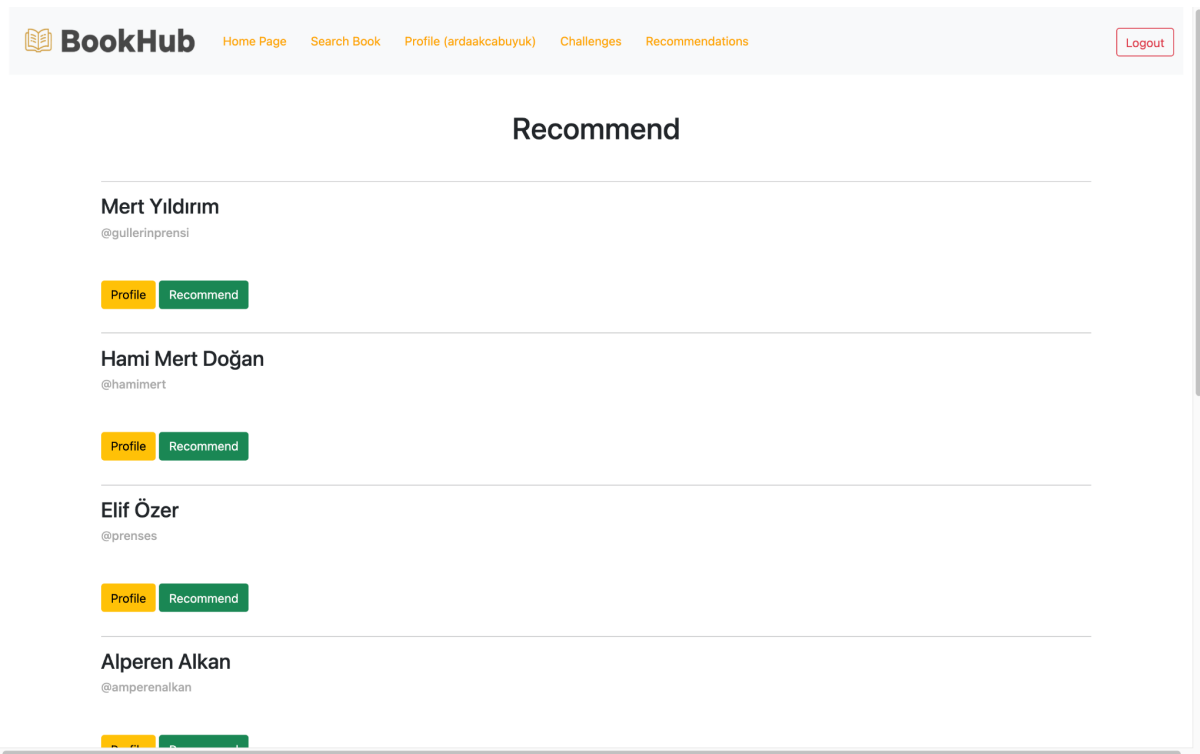
 4 likes  3 comments

Comment here...

[Unlike](#) [Comment](#)


This page is for displaying the reviews about a book that is posted by a user that has finished the book. This page can be viewed by clicking the Reviews button on the book profile page. At the top of the page, the detailed information about the book is listed as on the book page. Then, for each review, there is a field about the posted review. At the top of the field, the name of the user and the username are displayed. Then, the review and rating for the book are displayed. A user can like and unlike a review by clicking the Like and Unlike buttons, respectively. Users can also write comments to reviews by typing their comments in the “Comment here...” field and then clicking the Comment button at the bottom of the review. There is a like count showing how many users liked the review before. There is also a comment count showing how many users have commented on the review before.

6.8 Recommend



This page is for the users that want to recommend a book to their friends. The user's friends are listed on the page. The user can recommend the book by clicking the recommend button. The user is also able to view his/her friend's page by clicking the profile button. This button directs the user to his/her friend's profile page. After the user recommends the book to one of his/her friends, the friend disappears from this page as s/he has already received the recommendation. If there is no friend to which the user can recommend a book, the message "No friends to recommend." is displayed and the Back button appears that redirects the user to his/her own profile page.

6.9 Recommendations

[Home Page](#) [Search Book](#) [Profile \(ardaakcabuyuk\)](#) [Challenges](#) [Recommendations](#) [Logout](#)

Recommendations

Recommended by Onur Oruç

Game of Thrones
by George R.R. Martin

A Game of Thrones is the first novel in A Song of Ice and Fire, a series of fantasy novels by the American author George R. R. Martin. It was first published on August 1, 1996. The novel won the 1997 Locus Award and was nominated for both the 1997 Nebula Award and the 1997 World Fantasy Award. The novella Blood of the Dragon, comprising the Daenerys Targaryen chapters from the novel, won the 1997 Hugo Award for Best Novella. In January 2011, the novel became a New York Times Bestseller and reached No. 1 on the list in July 2011.

★★★★★ (5.00)

[Show Detailed Info](#) [Delete](#)

Recommended by Hami Mert Doğan

1984
by George Orwell


Nineteen Eighty-Four: A Novel, often referred to as 1984, is a dystopian social science fiction novel by the English novelist George Orwell (the pen name of Eric Arthur Blair). It was published on 8 June 1949 by Secker & Warburg as Orwell's ninth and final book completed in his lifetime. Thematically, Nineteen Eighty-Four centres on the consequences of totalitarianism, mass surveillance, and repressive regimentation of persons and behaviours within society.

★☆☆☆☆ (1.00)

[Show Detailed Info](#) [Delete](#)

This page is loaded when the user clicks the Recommendations button on the navigation bar. The page shows the recommended books to the user. For each recommendation, the friend's username that recommended the book to the user, the name of the recommended book, its description, and rate are listed. The username is not just a text. It is also a link. If the user wants to review the page of the user that recommended the book to the user, s/he can click the name of the user, and view his/her profile. The user can go to the recommended book's page to see all the information about the book by clicking the Show Detailed Info button. The user can also delete the recommendation from this page whenever s/he wants by clicking the Delete button.

6.10 Erroneous Information Request Review

 [Home Page](#) [Search Book](#) [Profile \(librarian\)](#) [Challenges](#) [Statistics](#) [Logout](#)

Erroneous Information Request from George Orwell

1984 by George Orwell

Edition: 1

Requested Title	Requested Edition No
1984	1
Requested Author Name	Requested Publisher
George Orwell	Adil Meriç Yayınları
Requested Genre	Requested Language
Dystopia	TR
Requested Year	Requested Page Count
1945	300
Requested Format	Requested Translator
Book	
Additional Notes	
Sorry, I entered it wrongly.	

[Confirm](#) [Reject](#)

After a regular user or an author sends a request for changes about a book, the librarian can view the new information that the author or a user wants to replace with the old information. At the top of the page, the username that sent the erroneous information request, the name of the book, and its edition number are displayed. The information that a user is able to request changes about are title, edition no, author name of the book, publisher, genre, the language of the book, publication year, page count, format, and translator name. The librarian can also view additional notes in the Additional Notes field, if any, that the owner of the request sends to the librarian. However, this part is optional and can be blank. After reviewing the request, if the librarian approves the request, s/he clicks the Confirm button and the requested information is replaced with the old information about the book. If the librarian clicks the Reject button, the request is ignored and deleted.

6.11 Booklist

BookHub Home Page Search Book Profile (ardaakcabuyuk) Challenges Recommendations Logout

Classics

Book List by Arda Akça Büyük

Description:
Classic Books...

Add Book

Game of Thrones
by George R.R. Martin

A Game of Thrones is the first novel in A Song of Ice and Fire, a series of fantasy novels by the American author George R. R. Martin. It was first published on August 1, 1996. The novel won the 1997 Locus Award and was nominated for both the 1997 Nebula Award and the 1997 World Fantasy Award. The novella Blood of the Dragon, comprising the Daenerys Targaryen chapters from the novel, won the 1997 Hugo Award for Best Novella. In January 2011, the novel became a New York Times Bestseller and reached No. 1 on the list in July 2011.

★★★★★ (5.00)

Show Detailed Info Remove Book


1984
by George Orwell

Nineteen Eighty-Four: A Novel, often referred to as 1984, is a dystopian social science fiction novel by the English novelist George Orwell (the pen name of Eric Arthur Blair). It was published on 8 June 1949 by Secker & Warburg as Orwell's ninth and final book completed in his lifetime. Thematically, Nineteen Eighty-Four centres on the consequences of totalitarianism, mass surveillance, and repressive regimentation of persons and behaviours within society.

★★★★★ (1.00)


This page is for displaying the book details in a user's own booklist. At the top of the page, the name of the booklist, the name of the user that created the booklist, and the description of the booklist are displayed. For each book in the booklist, book name, author name, book description, and book rate are displayed. The user can go to the book's page to see all the information about the book by clicking the Show Detailed Info button. The user can also remove the book from his/her booklist whenever s/he wants by clicking the Remove Book button. The user can also add new books to the booklist by clicking the Add Book button. When it is clicked, the user is directed to a page where s/he can search books to add the booklist.

6.12 Book Quotes


 **BookHub** [Home Page](#) [Search Book](#) [Profile \(ardaakcabuyuk\)](#) [Challenges](#) [Recommendations](#) [Logout](#)

Game of Thrones


by **George R.R. Martin**
Genre: **Fantasy**
1996



Description:
A Game of Thrones is the first novel in A Song of Ice and Fire, a series of fantasy novels by the American author George R. R. Martin. It was first published on August 1, 1996. The novel won the 1997 Locus Award and was nominated for both the 1997 Nebula Award and the 1997 World Fantasy Award. The novella Blood of the Dragon, comprising the Daenerys Targaryen chapters from the novel, won the 1997 Hugo Award for Best Novella. In January 2011, the novel became a New York Times Bestseller and reached No. 1 on the list in July 2011.



(5.00)
[Reviews](#)
[Quotes](#) [Post Quote](#)

Quotes

 **Onur Oruç**
@onuroruc


Quote:
"You know nothing, Jon Snow."

© 2021-05-16 23:38:30

 1 likes [Unlike](#)

This page is for displaying the quotes about a book that is posted by a user. It can be viewed by clicking the Quotes button on the book profile page. At the top of the page, the detailed information about the book is listed as on the book page. Then, for each quote, there is a field about the posted quote. At the top of the field, the name of the user and its username are displayed. Then, the quote is displayed as text. A user can like and unlike a quote by clicking the Like and Unlike buttons, respectively. There is also a like count showing how many users liked the quote before.

6.13 Erroneous Information Request

 [Home Page](#) [Search Book](#) [Profile \(ardaakcabuyuk\)](#) [Challenges](#) [Recommendations](#) [Logout](#)

Erroneous Information Request

A Feast for Crows by George R.R. Martin

Title	<input type="text" value="A Feast for Crows"/>	Edition No	<input type="text" value="16"/>
Author	<input type="text" value="George R.R. Martin"/>	Publisher	<input type="text" value="iDilMeriç"/>
Genre	<input type="text" value="Fantasy"/>	Language	<input type="text" value="TR"/>
Year	<input type="text" value="2005"/>	Page Count	<input type="text" value="300"/>
Format	<input type="text" value="Book"/>	Translator	<input type="text" value="Translator"/>

Additional Note

[Request](#)

A regular user or an author can send a request for information changes about a book. At the top of the page, the name of the book is displayed. The information that a user is able to request changes about are title, edition no, author name of the book, publisher, genre, the language of the book, publication year, page count, format, and translator name. The user can also enter additional notes in the Additional Notes field that s/he wants the librarian to see. However, this part is optional and can be left blank. The user sends the request to librarians by clicking the Request button.

6.14 Add Book to Booklist

BookHub Home Page Search Book Profile (ardaakcabuyuk) Challenges Recommendations Logout

Search Books [Search](#)

Add Book

A Dance with Dragons

by George R.R. Martin

A Dance with Dragons is the fifth novel of seven planned in the epic fantasy series A Song of Ice and Fire by American author George R. R. Martin. In some areas, the paperback edition was published in two parts, titled Dreams and Dust and After the Feast. It was the only novel in the series to be published during the eight-season run of the HBO adaptation of the series, Game of Thrones, and runs to 1,040 pages with a word count of almost 415,000.

★ ★ ★ ★ ★ (2.00)

[Show Detailed Info](#) [Add Book](#)

A Feast for Crows

by George R.R. Martin

A Feast for Crows is the fourth of seven planned novels in the epic fantasy series A Song of Ice and Fire by American author George R. R. Martin. The novel was first published on October 17, 2005, in the United Kingdom, with a United States edition following on November 8, 2005.

★ ★ ★ ★ ★ (0.00)

[Show Detailed Info](#) [Add Book](#)

A Clash of Kings

by George R.R. Martin

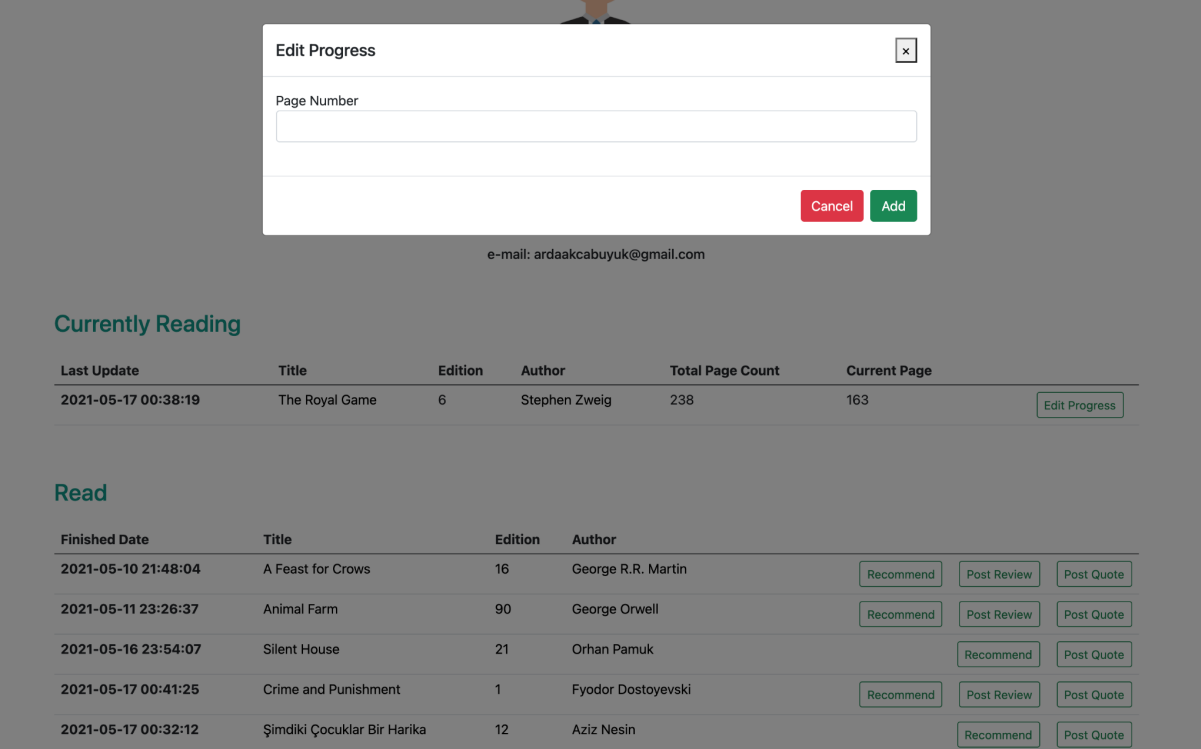
This page is for adding new books to an already created booklist. This page is displayed when a user clicks the Add Book button on the booklist s/he created before. At the top, there is a search field in which the user can enter the name of the book s/he wants to add to his/her booklist. After clicking the Search button, corresponding book(s) are listed on the page. For each book listed, the name of the book, its author name, its description, and the rate are displayed. The user can go to the book's page to see all the information about the book by clicking the Show Detailed Info button. The user can add a book to the booklist by clicking the Add Book button.

6.15 Post Review Page

The screenshot shows the 'Post Review' page on the BookHub website. At the top, there is a navigation bar with the BookHub logo and links for Home Page, Search Book, Profile (ardaakcabuyuk), Challenges, and Recommendations. A Logout button is located in the top right corner. The main content area features the title 'Post Review' and the book title 'A Feast for Crows by George R.R. Martin'. Below the title is a short description of the book. A text input field labeled 'Review' is provided for users to enter their feedback. Underneath the input field is a 'Rate Book:' section with five star icons. At the bottom of the form is a yellow 'Post Review' button.

The screenshot above shows the post review page where users can share their reviews about a published book. On the top of the page, there is information about the book on which the review will be shared. Users can rate the book by using stars at the bottom and share their thoughts about the book by adding text. After clicking the post review button, the review of a user on a book is published.

6.16 Edit Progress



The screenshot displays a user interface with a pop-up window titled "Edit Progress" and a table titled "Currently Reading".

The "Edit Progress" pop-up window contains a text input field labeled "Page Number" and two buttons: "Cancel" (red) and "Add" (green). Below the pop-up, the email address "e-mail: ardaakcabuyuk@gmail.com" is visible.

The "Currently Reading" table has the following columns: Last Update, Title, Edition, Author, Total Page Count, and Current Page. A button labeled "Edit Progress" is located to the right of the table.

Last Update	Title	Edition	Author	Total Page Count	Current Page
2021-05-17 00:38:19	The Royal Game	6	Stephen Zweig	238	163

The "Read" section contains a table with the following columns: Finished Date, Title, Edition, Author, and three action buttons: Recommend, Post Review, and Post Quote.

Finished Date	Title	Edition	Author	Recommend	Post Review	Post Quote
2021-05-10 21:48:04	A Feast for Crows	16	George R.R. Martin	Recommend	Post Review	Post Quote
2021-05-11 23:26:37	Animal Farm	90	George Orwell	Recommend	Post Review	Post Quote
2021-05-16 23:54:07	Silent House	21	Orhan Pamuk	Recommend	Post Review	Post Quote
2021-05-17 00:41:25	Crime and Punishment	1	Fyodor Dostoyevski	Recommend	Post Review	Post Quote
2021-05-17 00:32:12	Şimdiki Çocuklar Bir Harika	12	Aziz Nesin	Recommend	Post Review	Post Quote

The screenshot above shows the edit progress pop-up where users can edit their progress on the book they are currently reading. When a user clicks on the cancel button or the exit button, the pop-up disappears. When a user clicks on the add button, the progress of the user on a book is added to the user profile under the table called Currently Reading.

6.17 Author Profile

The screenshot shows the author profile for George R.R. Martin on the BookHub platform. The header includes the BookHub logo and navigation links: Home Page, Search Book, Profile (georgerrmartin), and Challenges. A Logout button is in the top right. The profile features a stylized avatar of an author with glasses and a beard, wearing a blue shirt. Below the avatar, the text reads "Author", "George R.R. Martin", "@georgerrmartin", and "e-mail: george@bilkent.edu.tr". A section titled "Published Books" includes a "Publish Book" button. A table lists five books with their publication years, titles, and buttons for "Create Edition" and "List Reviews".

Year	Title	Create Edition	List Reviews
2011	A Dance with Dragons	Create Edition	List Reviews
1996	Game of Thrones	Create Edition	List Reviews
2005	A Feast for Crows	Create Edition	List Reviews
1998	A Clash of Kings	Create Edition	List Reviews
2000	A Storm of Swords	Create Edition	List Reviews

The screenshot above is the profile of an author from the view of the author him/herself. What is listed in the author's profile is published books. An author can publish new books by clicking on the publish book button. An author can create a new edition for a book shared by him/her. Also, an author can list the reviews of a book shared by her/him by clicking the list reviews button next to the published books.

6.18 Post Quote

The screenshot shows a web page titled "Post Quote" for the book "Crime and Punishment" by Fyodor Dostoyevski. The page is part of a website called "BookHub". At the top, there is a navigation bar with the following links: Home Page, Search Book, Profile (ardaakcabuyuk), Challenges, Recommendations, and a Logout button. The main content area features the book title and author, followed by a short description of the novel. Below the description are two input fields: "Quote" and "Tags". A yellow "Post Quote" button is located at the bottom of the form.

BookHub Home Page Search Book Profile (ardaakcabuyuk) Challenges Recommendations Logout

Post Quote

Crime and Punishment by Fyodor Dostoyevski

Crime and Punishment is a novel by the Russian author Fyodor Dostoevsky. It was first published in the literary journal The Russian Messenger in twelve monthly installments during 1866. It was later published in a single volume. It is the second of Dostoevsky's full-length novels following his return from ten years of exile in Siberia.

Quote

Tags

Post Quote

The screenshot above shows the post quote page where users can share a quote from a book. At the top of the page, there is information about the book on which the quote will be shared. Users can share a quote from this book by adding text to the quote field and tag(s) (e.g., love, nature, etc.) to the tags field. After clicking the post quote button, the quote of a user from a book is published.

6.19 Create Challenge

BookHub [Home Page](#) [Search Book](#) [Profile \(librarian\)](#) [Challenges](#) [Statistics](#) [Logout](#)

Create Challenge

Goal
Goal

Challenge Name
Challenge Name

Start Date
gg.aa.yyyy

End Date
gg.aa.yyyy

Create

The screenshot above shows the create challenge page where a librarian can create a reading challenge. The librarian can set a goal that indicates how many books should be read to complete the challenge successfully. Also, the librarian can determine the name of the challenge, start date of the challenge, and end date of the challenge. When determining the challenge dates, librarians can select a date from the resulting calendar that appears when they press the calendar icon on the right side. After clicking the create button, the challenge is published on the website.

6.20 Create Edition

BookHub [Home Page](#) [Search Book](#) [Profile \(georgerrmartin\)](#) [Challenges](#) [Logout](#)

Create Edition

Edition No Edition No	Year Year
Page Count Page Count	Translator Translator
Publisher Publisher	Language Language
Format Format	

[Create](#)

The screenshot above shows the create edition page where authors can create an edition of a book published by him/her. An author can create an edition by adding some information such as edition no, year, page count, translator, publisher, language, and format. After clicking on the create button, the new edition is published.

6.21 Review Page

The screenshot shows a web interface for 'BookHub'. At the top, there is a navigation bar with the BookHub logo and links for 'Home Page', 'Search Book', 'Profile (librarian)', 'Challenges', and 'Statistics'. A 'Logout' button is in the top right corner. The main content area is titled 'Review' and features a review by 'Onur Oruç' (@onuroruc). The review is for the book 'Game of Thrones' and includes the text 'This book is fantastic! I loved it!' and a 5-star rating. The review was posted on 2021-05-16 at 23:37:52. Below the review, there are 4 likes and 3 comments. A comment box is provided for users to comment. Below the comment box are 'Like' and 'Comment' buttons. The 'Comments' section shows an 'Author reply' from 'George R.R. Martin' (@georgerrmartin) with the text 'Thank you, my dear...' and a timestamp of 2021-05-16 23:50:10. Below this, a comment from 'George Orwell' (@georgeorwell) is visible with the text 'I wish I was alive and read that book'.

The screenshot above shows a review and comments and likes from that review. The content of the review includes scoring related to the book, thoughts related to the book, and the date when the review was shared. Among the comments on the review, the author of the book on which the review is made is seen at the top, if any. A user can comment on this review, like the review, and like the comments made to the review.

6.22 Create Booklist

The screenshot shows a 'Create Booklist' modal form overlaid on a background interface. The modal has a title bar with a close button (x). It contains two text input fields: 'List Name' and 'Description'. At the bottom of the modal are two buttons: 'Create' (green) and 'Cancel' (red). The background interface is dimmed and shows a table with columns: Date, Title, Author, Likes, Comments, Ratings. Below the table are sections for 'Owned Book Lists' and 'Followed Book Lists'. The 'Owned Book Lists' section has a table with columns 'Name' and 'Number of Books', listing 'Classics' (7) and 'Komünist' (4). The 'Followed Book Lists' section has a table with columns 'Name', 'Number of Books', and 'List Owner', listing 'GoT' (5) by 'Onur Oruç'. There are 'Go to Review' and 'Show Booklist' buttons scattered throughout the background interface.

Users can specify the name and the description of the book list they want to create in this screen. After clicking ‘Create’, an empty book list is created for a user.


6.23 Publish Book

The screenshot shows the 'Publish Book' form in the BookHub application. The header includes the BookHub logo and navigation links: Home Page, Search Book, Profile (georgermartin), Challenges, and a Logout button. The form itself has the following fields: Title (with a blue border), Genre, Description, Publication Year (with a 'Year' placeholder), Sequel of (with a 'Sequel does not exist!' placeholder), and Series Name (with a 'Series Name' placeholder). A yellow 'Publish' button is located at the bottom right of the form.

Authors can publish a book by specifying the title, genre, description, publication year from this screen. If the published book is a sequel book of some series, the author can also specify it.

6.24 User Profile

BookHub [Home Page](#) [Search Book](#) [Profile \(ardaakcabuyuk\)](#) [Challenges](#) [Recommendations](#) [Logout](#)



User

Arda Akça Büyük
@ardaakcabuyuk
e-mail: ardaakcabuyuk@gmail.com

Currently Reading

Last Update	Title	Edition	Author	Total Page Count	Current Page	
2021-05-17 00:38:19	The Royal Game	6	Stephen Zweig	238	163	Edit Progress

Read

Finished Date	Title	Edition	Author			
2021-05-10 21:48:04	A Feast for Crows	16	George R.R. Martin	Recommend	Post Review	Post Quote
2021-05-11 23:26:37	Animal Farm	90	George Orwell	Recommend	Post Review	Post Quote
2021-05-16 23:54:07	Silent House	21	Orhan Pamuk	Recommend	Post Review	Post Quote
2021-05-17 00:41:25	Crime and Punishment	1	Fyodor Dostoyevski	Recommend	Post Review	Post Quote
2021-05-17 00:32:12	Şimdiki Çocuklar Bir Harika	12	Aziz Nesin	Recommend	Post Review	Post Quote

Reviews

Date	Title	Author	Likes	Comments	Ratings	
2021-05-16 23:55:06	Silent House	Orhan Pamuk	1	0	4/5	Go to Review
2021-05-17 00:36:12	Şimdiki Çocuklar Bir Harika	Aziz Nesin	1	1	5/5	Go to Review

Owned Book Lists

Name	Number of Books	Number of Followers	
Classics	7	2	Show Booklist
Komünist	4	0	Show Booklist

[Create](#)

Followed Book Lists

Name	Number of Books	List Owner	
GoT	5	Onur Oruç	Show Booklist

Friends

Name	Name	
Mert Yıldırım		Remove
Hami Mert Doğan		Remove
Elif Özer		Remove
Alperen Alkan		Remove
adil meric		Remove
Onur Oruç		Remove
Emin Adem Buran		Remove
Travis Scott		Remove

[Add Friends](#)

Challenges Succeeded

Title	Book Count
Çelinc	3 / 3

Challenges Failed

Title	Book Count
Oku bakalım: AYI	3 / 15

This page is the profile of a user from the view of the user him/herself. What is listed in the user profile are currently read books by the user, completed books of the user, reviews that the user posted,

book lists of the user, followed book lists by the user, friends list, challenges succeeded, and challenges failed. The user can edit progress of a currently read book, recommend a book to a friend, post reviews or quotes on them. Also, he/she can go to their book lists or another user's book lists that he/she follows. He/she can add/remove friends and see him/her challenge success/failures.

6.25 Statistics

BookHub

[Home Page](#)
[Search Book](#)
[Profile \(librarian\)](#)
[Challenges](#)
[Statistics](#)

[Logout](#)

Statistics

Most Rated Books

Year	Title	Author	Rate
1996	Game of Thrones	George R.R. Martin	5.00
1967	Şimdi ki Çocuklar Bir Harika	Aziz Nesin	4.50
1866	Crime and Punishment	Fyodor Dostoyevski	4.33
1983	Silent House	Orhan Pamuk	4.00
1945	Animal Farm	George Orwell	3.00

Most Rated Authors

Name	Number of Books	Rate
Aziz Nesin	1	4.50
Fyodor Dostoyevski	2	4.33
Orhan Pamuk	1	4.00
George R.R. Martin	6	3.50
George Orwell	2	2.00

Most Rated Genres

Genre	Rate
Novel	4.50
Crime	4.33
Fantasy	3.50
Fiction	3.50
Dystopia	1.00

Most Read Books


Year	Title	Author	Read Count
1866	Crime and Punishment	Fyodor Dostoyevski	4
1945	Animal Farm	George Orwell	2
1967	Şimdi ki Çocuklar Bir Harika	Aziz Nesin	2
2011	A Dance with Dragons	George R.R. Martin	1
1996	Game of Thrones	George R.R. Martin	1

Most Read Genres

Genre	Read Count
Crime	4
Fantasy	3
Fiction	3

A librarian can list some statistics about the website from this page. The statistics page contains the top 5 of the following: most rated books, most rated authors, most rated genres, most read books, and most read genres.

6.26 Search Results

 [Home Page](#) [Search Book](#) [Profile \(ardaakcabuyuk\)](#) [Challenges](#) [Recommendations](#) [Logout](#)

Search Authors

Search Results


George R.R. Martin
@georgerrmartin
Books: 6
[Profile](#)

Orhan Pamuk
@orhiwhatspoppinmyg
Books: 1
[Profile](#)

Aziz Nesin
@nesin
Books: 1

A user can search for authors and users from this page. According to the search keyword, authors and users are listed.

6.27 Search Book

 [Home Page](#) [Search Book](#) [Profile \(ardaakcabuyuk\)](#) [Challenges](#) [Recommendations](#) [Logout](#)

Search Book

Search:

Search By:

Range Search:

Search Results

A Dance with Dragons

by George R.R. Martin

A Dance with Dragons is the fifth novel of seven planned in the epic fantasy series A Song of Ice and Fire by American author George R. R. Martin. In some areas, the paperback edition was published in two parts, titled Dreams and Dust and After the Feast. It was the only novel in the series to be published during the eight-season run of the HBO adaptation of the series, Game of Thrones, and runs to 1,040 pages with a word count of almost 415,000.

★☆☆☆☆ (2.00)

This is the search book page. Any type of user can search books on this page. A keyword-search can be done by title, author, or genre. Also, the searcher can apply a year range to the search done. The results can be sorted by rate and title.

6. Website

Reports can be found at: <https://mericadil.github.io/>