



# **BLG 317E TERM PROJECT**

## **READER**

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# Outline

1. Introduction
2. Members and Responsibilities
3. Dataset
4. Tables and Database Diagram
5. Table Operations
6. Website Overview
7. Additional



# Introduction

- Efficiently manage your database with ease.
- Access a robust database featuring five main tables and three additional tables.
- Perform straightforward database operations: add, delete, update, search and sort with one click.

# Members and Responsibilities

**Emre Bozkurt**

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**Backend and Authorization**

**Responsible Tables: Authors,  
Comments, Countries**

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**Frontend and Routes**

**Responsible Tables: Books, Book  
Details, Publishers**

**Harun Yahya Demirpençe**

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**Backend and Database**

**Responsible Tables: Users,  
Subscriptions**



# Dataset



# Tables

## Authors

pk: author\_id  
fk: country\_id

## Books

pk: book\_id  
fk: author\_id,  
publisher\_id

## Publishers

pk: publisher\_id

## Comments

pk: comment\_id  
fk: book\_id,  
user\_id

## Book Details

pk: book\_details\_id  
fk: book\_id

## Countries

pk: country\_id

## Users

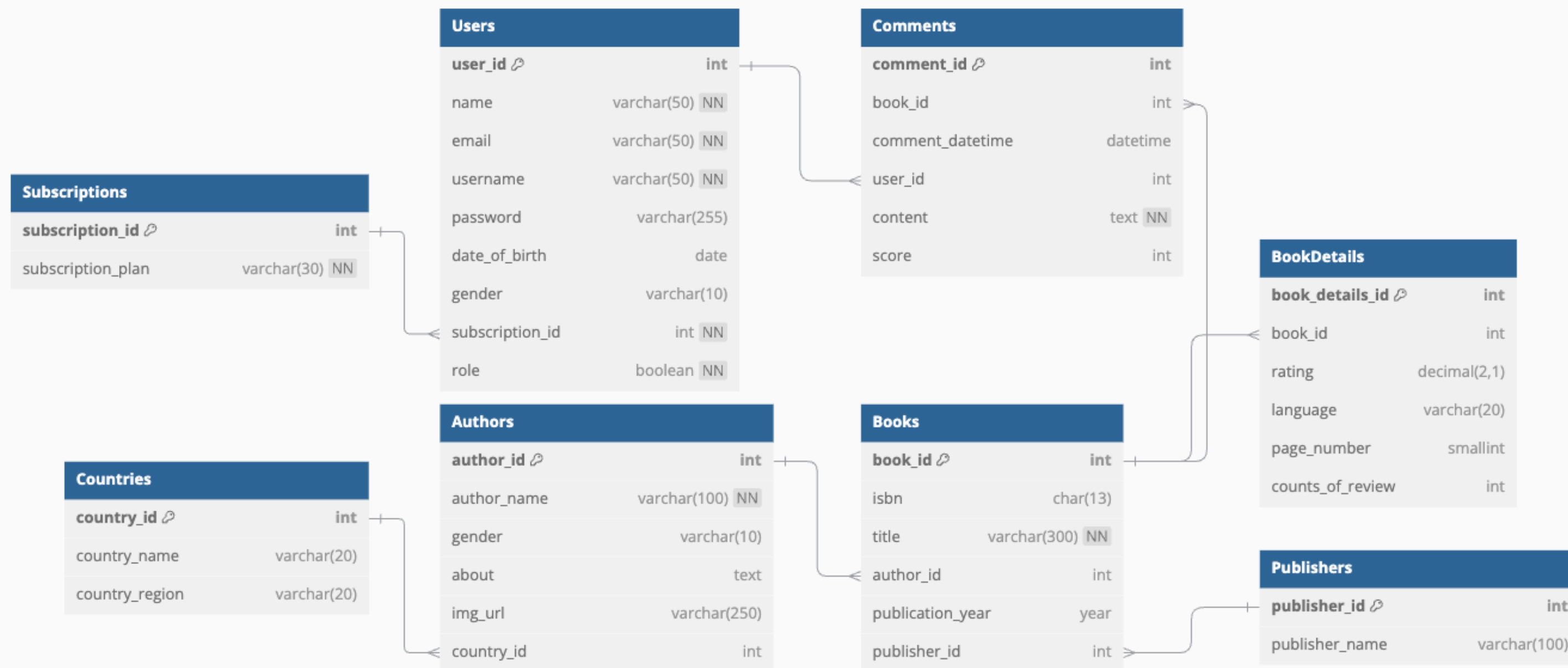
pk: user\_id  
fk: subscription\_id

## Subscriptions

pk: subscription\_id



# Database Diagram





# Table Operations

## Insert

Allows adding a new row of data to the table, generating a new primary key ID automatically by incrementing the highest existing ID.

## Delete

Allows deleting records from the database, the deletion is done by referencing the primary key of the selected rows and executing the appropriate delete query

## Update

Allows users to directly edit any selected row in the database. This is done by fetching the record by its primary key, presenting the editable fields, and saving the new data back to the database.

## Search

Allows for searching across multiple columns simultaneously and displays rows containing data that starts with the entered input.





# Website Overview: Authorization

## Login - Reader

Username

Password

Sign In

Don't have an account? [Sign Up here](#)

## Register - Reader

Name

Username

Password

Email

Sign Up

Already have an account? [Sign In here](#)



# Website Overview: Admin Page

Reader

Books

Users

Publishers

Authors

Comments

Latest Releases

Top 100 Users

Top 100 Authors

Top 100 Comments

Most Reviewed Female Authors

Logout

Welcome to Admin Panel

Books

Manage all the books in the system.

View Details

Users

Manage registered users.

View Details

Publishers

Oversee publisher information.

View Details

Authors

Manage author details.

View Details

Comments


View user comments on books.

View Details



# Website Overview: Table View

## Reader

 Books

 Users

 Publishers

 Authors

 Comments

 Latest Releases

 Top 100 Users

 Top 100 Authors

 Top 100 Comments

 Most Reviewed  
Female Authors

Logout

## Comments

Add Comment

Comment ID

Book ID

Comment Date

User ID

Content

Score


Search

Comment ID	Book ID	Comment Datetime	User ID	Content	Score	Operations
1	1365	2023-06-15 16:23:00	362	I must admit this book was no light read It is a hefty volume and at times the sheer magnitude of the events covered	3	<a href="#">Update</a> <a href="#">Delete</a>
2	1445	2023-06-15 16:20:00	913	I love the audiobook I listen to it basically on repeat That book is fascinating	1	<a href="#">Update</a> <a href="#">Delete</a>
3	8426	2023-06-15 15:15:00	382	I was shocked to learn Cormac McCarthy died Just reading about him and trying to have an appreciation for his life and	4	<a href="#">Update</a> <a href="#">Delete</a>
4	3168	2023-06-15 14:32:00	2265	I used the exact same carrying the fire quote metaphor in my own post https walrod substack com p cormac	1	<a href="#">Update</a> <a href="#">Delete</a>
5	6120	2023-06-15 14:59:00	1576	I tried out this website MyStoryBooks where I submit some images of my kid and AI generates images of them in the	0	<a href="#">Update</a> <a href="#">Delete</a>
6	8679	2023-06-15 15:14:00	657	This doesn t seem written by AI so I m not sure it really impacts the industry at all People doing this probably aren	2	<a href="#">Update</a> <a href="#">Delete</a>
7	6694	2023-06-15 15:56:00	1124	So I m downsizing my book collection from 750 to what I hope will become 350 only 150 left to go I think it ll be	1	<a href="#">Update</a> <a href="#">Delete</a>
8	7027	2023-06-15 12:58:00	126	Better World Books	4	<a href="#">Update</a> <a href="#">Delete</a>
		2023-06-15				<a href="#">Update</a> <a href="#">Delete</a>



# Website Overview: Top 100 Users

## Reader

 Books


 Users

 Publishers


 Authors


 Comments

 Latest Releases

 Top 100 Users

 Top 100 Authors

 Top 100 Comments

 Most Reviewed  
Female Authors

Logout

## Top 100 Users

Rank	Username	Total Score
1	moyerkatherine	6607
2	timothyhobbs	6152
3	xwhite	2937
4	jackmiller	2333
5	jasonrasmussen	2275
6	warren18	2004
7	ebauer	1613
8	micheleramirez	1548
9	carolyn45	1359
10	tanya47	1107
11	james28	810
12	ryanbarron	754
13	thomascallahan	633
14	christopherwood	465
15	ryan53	437

# Additional

- Users saved into the database with hashed passwords implies a secure approach to protecting sensitive user information from unauthorized access.
- The project provided with a permanent session lifetime, ensuring that users are automatically logged out after 15 minutes of inactivity for enhanced security.
- HTML template logic is utilized with Bootstrap to create a modular project structure, and JavaScript is applied to enhance the webpage, making it dynamic and responsive.



**THANKS FOR  
LISTENING**