User

id

- **Type**: int
- **Constraints**: auto increment, not null, unique, primary key

---

email

- **Type**: varchar(50)
- **Constraints**: not null, unique
- **Description**: email of user

---

password

- **Type**: varchar(25)
- **Constraints**: not null;
- **Description**: hashed user password

---

role

- **Type**: int(enumerate) - 0: User; 1: Author; 2: Editor; 3: Administrator
- **Constraints**: not null, default = 0;
- **Description**: role of user

---

username

- **Type**: varchar(50)
- **Constraints**: not null, unique;
- **Description**: username of user

---

avatar

- **Type**: bytea
- **Constraints**: < 2mb
- **Description**: photo of user profile

---

updated_at

- **Type**: timestamp
- **Constraints**: not null, default = date of creation
- **Description**: time of last changing

Book

id

- **Type**: int
- **Constraints**: auto increment, not null, unique, primary key

---

url_to_file

- **Type**: varchar(500)
- **Constraints**: not null
- **Description**: url for downloading book

---

publisher_id

- **Type**: int
- **Constraints**: not null, foreign key to User table;
- **Description**: id of user, that published this book

---

titular_photo

- **Type**: bytea
- **Constraints**: < 2mb
- **Description**: photo of book profile

---

author

- **Type**: varchar(250)
- **Constraints**: not null, default = publisher.username
- **Description**: author of the book

---

name

- **Type**: varchar(100)
- **Constraints**: not null
- **Description**: name of the book

genre

- **Type**: varchar(100)
- **Constraints**: not null
- **Description**: genre of the book

description

- **Type**: text
- **Constraints**:
- **Description**: description of the book

rating

- **Type**: float
- **Constraints**: not null, default = 0, 0 <= val <= 5
- **Description**: rating of the book

pages_number

- **Type**: int
- **Constraints**: 0 < val
- **Description**: the number of book pages

status

- **Type**: int(enumerate): -1: not_allowed, 0: in_review, 1: allowed
- **Constraints**: not null, default = 0
- **Description**: whether the book has been admitted to the library

updated_at

- **Type**: timestamp
- **Constraints**: not null, default = date of creation
- **Description**: time of last changing

Reading_progress

id

- **Type**: int
- **Constraints**: auto increment, not null, part of composite primary key

---

book_id

- **Type**: int
- **Constraints**: not null, foreign key to Book table, part of composite primary key
- **Description**: id of the book

---

user_id

- **Type**: int
- **Constraints**: not null, foreign key to User table , part of composite primary key
- **Description**: id of the user

---

path_to_file

- **Type**: varchar(500)
- **Constraints**: not null
- **Description**: path to downloaded book

---

last_page

- **Type**: int
- **Constraints**: not null, default = 0, 0 <= val
- **Description**: number of page, where user stop reading

---

is_favorite

- **Type**: bool
- **Constraints**: not null, default = false
- **Description**: is book favorite for user

---

theme

- **Type**: int(enumerator): 0: White, 1: Black, 2: Mixed
- **Constraints**: not null, default = 0
- **Description**: theme of this book for user

---

font_size

- **Type**: int
- **Constraints**: not null
- **Description**: font size of this book for user

---

updated_at

- **Type**: timestamp
- **Constraints**: not null, default = date of creation
- **Description**: time of last changing

Bookmark

id

- **Type**: int
- **Constraints**: auto increment, not null, part of composite primary key

---

reading_progress_id

- **Type**: int
- **Constraints**: not null, foreign key to Reading_progress table, part of composite primary key
- **Description**: id of the reading_progress

---

page_number

- **Type**: int
- **Constraints**: not null, 0 <= val <= reading_progress.book.pages_number
- **Description**: the number of the page that containing the bookmark

---

note

- **Type**: text
- **Constraints**:

- **Description**: note for bookmark

---

updated_at:

- **Type**: timestamp
- **Constraints**: not null, default = date of creation
- **Description**: time of last changing