book_status

status_id 🔑	SERIAL	NN
copy_id	INT	NN
status	book_status_types E	NN
status_date	TIMESTAMP	NN

book_copies

copy_id 🔑	SERIAL	NN
book_id	INT	NN
barcode	VARCHAR(100)	NN
available	BOOLEAN	NN

transactions

transaction_id 🔑	SERIAL	NN
user_id	INT	NN
copy_id	INT	NN
transaction_type	transaction_types E	NN
transaction_date	DATE	NN
due_date	DATE	
return_date	DATE	

books

book_id 🔑	SERIAL	NN
title	VARCHAR(255)	NN
author_id	INT	NN

authors

author_id 🔑	SERIAL	NN
author_name	VARCHAR(100)	NN

users

user_id 🔑	SERIAL	NN
first_name	VARCHAR(100)	NN
last_name	VARCHAR(100)	NN
username	VARCHAR(100)	NN
password_hash	VARCHAR(255)	NN
user_type	user_types E	NN
barcode	VARCHAR(100)	

book_status

status_id 🔑	SERIAL NN
copy_id	INT NN
status	book_status_types E NN
status_date	TIMESTAMP NN

book_copies

copy_id 🔑	SERIAL NN
book_id	INT NN
barcode	VARCHAR(100) NN
available	BOOLEAN NN

transactions

transaction_id 🔑	SERIAL NN
user_id	INT NN
copy_id	INT NN
transaction_type	transaction_types E NN
transaction_date	DATE NN
due_date	DATE
return_date	DATE

books

book_id 🔑	SERIAL NN
title	VARCHAR(255) NN
author_id	INT NN

authors

author_id 🔑	SERIAL NN
author_name	VARCHAR(100) NN

users

user_id 🔑	SERIAL NN
first_name	VARCHAR(100) NN
last_name	VARCHAR(100) NN
username	VARCHAR(100) NN
password_hash	VARCHAR(255) NN
user_type	user_types E NN
barcode	VARCHAR(100)

```
Enum user_types {
    Librarian
    Admin
    Reader
}


Enum book_status_types {
    Active
    Lost
    Damaged
}


Enum transaction_types {
    Check Out
    Return
}
```