

Users table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment on delete : cascade on update: cascade	unique user's id
first_name	varchar	not null	user's first name
last_name	varchar	not null	user's last name
birth_date	datetime		user's birth date
email	varchar	unique, not null	user's email
password	varchar	not null	user's password
gender	enum	female or male or other	user's gender
is_admin	bool	not null	set a user as admin
address	varchar		user's address
phone_number	varchar	not null, unique	user's phone number
created_at	timestamp	not null	creation date of user
updated_at	timestamp	not null	last update of user

Book table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment on delete: cascade on update: cascade	unique book id
title	varchar	not null	book title
author	varchar	not null	book's author
publication_date	datetime	not null	book's date of publication
literary_genre	enum	Not null, Fantasy or Horror or Mystery	book's literary genre

		or Romance or Science fiction or Thriller or Dystopian or Biography or Drama or Fable or Poetry or Historical	
price	decimal	not null	book's price
summary	string	not null	book's summary
publisher	varchar	not null	book's publisher
isbn	varchar	not null, unique	book's isbn
created_at	timestamp	not null	book's creation date and time
updated_at	timestamp	not null	last book's update

Orders table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique order id
user_id	integer	foreign key, not null	unique id of the user
coupon_id	integer	foreign key	unique id of the coupon
total_amount	decimal	not null	total amount paid for this order
status	enum	not null, Ordered or In_Preparation or Shipped or Received	status of the order
created_at	timestamp	not null	date the order was processed
updated_at	timestamp	not null	date of the last update for the order

Reviews table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique review id
user_id	integer	foreign key, not null	unique id of the user
book_id	integer	foreign key, not null	unique id of the book
comment	string		content of the review
rating	enum	not null, 1 or 2 or 3 or 4 or 5	rate of the review
created_at	timestamp	not null	date of publication of the review
updated_at	timestamp	not null	date of the last update of the review

Favorites table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique favorite id
user_id	integer	foreign key, not null	unique id of the user
book_id	integer	foreign key, not null	unique id of the book
created_at	timestamp	not null	date of set as favorite

Carts table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique cart id

user_id	integer	foreign key, not null, unique	unique id of the user
total_amount	decimal	not null	total amount of the cart
created_at	timestamp	not null	date of creation of the cart

Sellers table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique seller id
business_name	varchar	not null, unique	name of the seller's business
business_number	varchar	not null, unique	number of the seller's business
email	varchar	not null, unique	seller's email
phone_number	varchar	not null	seller's phone number
address	varchar	not null	seller's address
payout_bank	varchar	not null	seller's bank
payout_account	varchar	not null	seller's bank account
payout_holder	varchar	not null	name associated to the bank account
created_at	timestamp	not null	date of seller's creation
updated_at	timestamp	not null	date of seller's last updated

Order_items table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique order_item id
book_id	integer	foreign key, not null	unique book id
order_id	integer	foreign key, not null	unique order id
settlement_id	integer	foreign key, not null	unique settlement id
quantity	integer	not null	quantity of items ordered
item_amount	decimal	not null	price of the item

Cart_items table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique cart_item id
cart_id	integer	foreign key, not null	unique cart id
book_id	integer	foreign key, not null	unique book id
quantity	integer	not null	quantity of items in the cart

Book_statistics table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique book_statistics id
book_id	integer	foreign key, not null, unique	unique book id
rank	integer	not null	rank of the book
score	decimal	not null	book's score
view_count	integer	not null	book's number of view

review_count	integer	not null	book's number of review
average_rating	decimal		average rating of the book
purchased_count	integer	not null	number of times this book has been sold
unfavorite_count	integer	not null	number of times this book has been unfavorited
favorited_to_purchased_count	integer	not null	number of times this book has been favorited than purchased
cart_deleted_user_count	integer		number of times this book has been deleted from users'cart
viewed_to_purchase_d_count	integer	not null	number of times this book has been viewed than purchased
updated_at	timestamp	not null	date of last update on the statistics' book

Discounts table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique discount id
book_id	integer	foreign key, not null, unique	unique book id
created_by	integer	foreign key, not null	unique user id that is admin
discount_rate	integer	not null	value of the discount
start_at	timestamp	not null	beginning of the discount validity
end_at	timestamp	not null	end of the

			discount validity
is_valid	bool	not null	Is the discount currently valid ?
created_at	timestamp	not null	date of creation of the discount
updated_at	timestamp	not null	date of last update of the discount

Coupons table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique coupon id
created_by	integer	foreign key, not null	unique user id that is admin
code	varchar	not null, unique	code of the voucher
discount_rate	integer	not null	value of the discount applied with the coupon
start_at	timestamp	not null	beginning of the coupon validity
end_at	timestamp	not null	end of the coupon validity
is_valid	bool	not null	Is the coupon currently valid ?
created_at	timestamp	not null	date of creation of the coupon
updated_at	timestamp	not null	date of last update of the coupon

Settlements table

Name	Type	Constraints	Descriptions
id	integer	primary key	unique

		auto increment	settlement id
seller_id	integer	foreign key, not null	unique seller id
total_sales	decimal	not null	total amount of sales
commission	decimal	not null	commission taken by the platforme
final_payout	decimal	not null	total_sales - commission
settlement_date	timestamp	not null	date of settlement
period_start	datetime	not null	start of the period of the settlement
period_end	datetime	not null	end of the period of the settlement

Comments table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique comment id
review_id	integer	foreign key, not null	unique review id
user_id	integer	foreign key, not null	unique user id
comment	string	not null	corpse of the comment
created_at	timestamp	not null	date of creation of the comment
updated_at	timestamp	not null	date of last update of the comment

Library table

Name	Type	Constraints	Descriptions
id	integer	primary key auto increment	unique library id
user_id	integer	foreign key, not null	unique user id
order_item_id	integer	foreign key, not null	unique item id in an order
created_at	timestamp	not null	date of creation of the library
updated_at	timestamp	not null	date of last update of the library