READORA

WHERE STORIES BEGIN

OUR TEAM

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Backend-developer

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Frontend-developer

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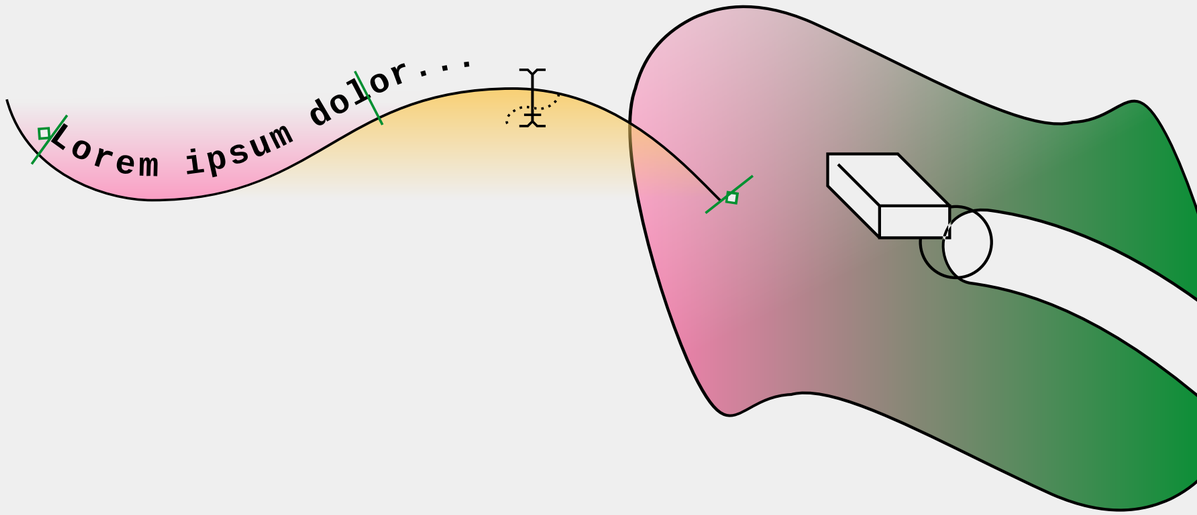
San

Introduction

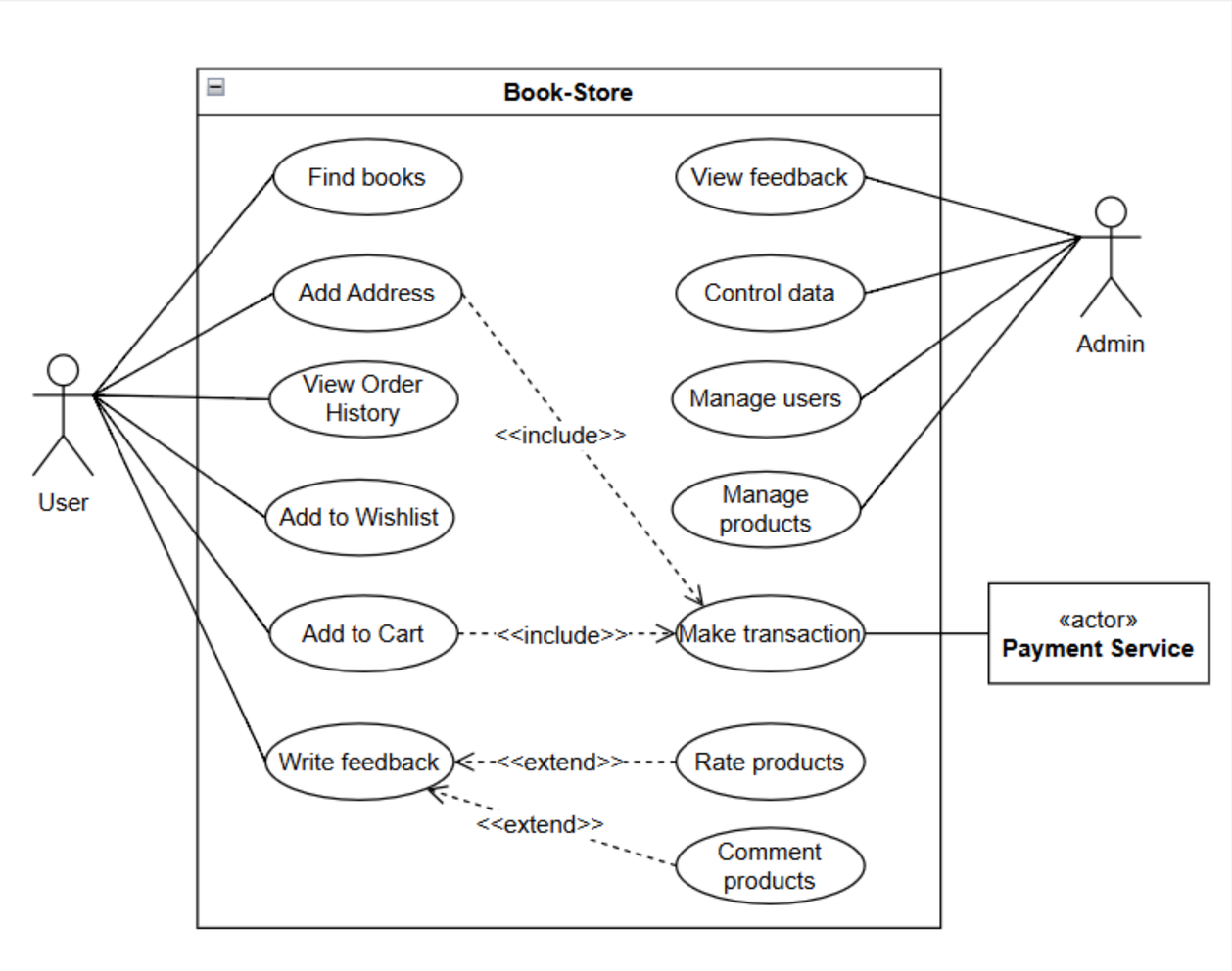
- Frontend:
  - Language: HTML, CSS and JS
  - Framework: React
  - Build tool: Vite
- Backend:
  - Language: JS
  - Framework: Express.js
- Database:
  - MySQL
- Content: Make book store website.

System Architecture

San



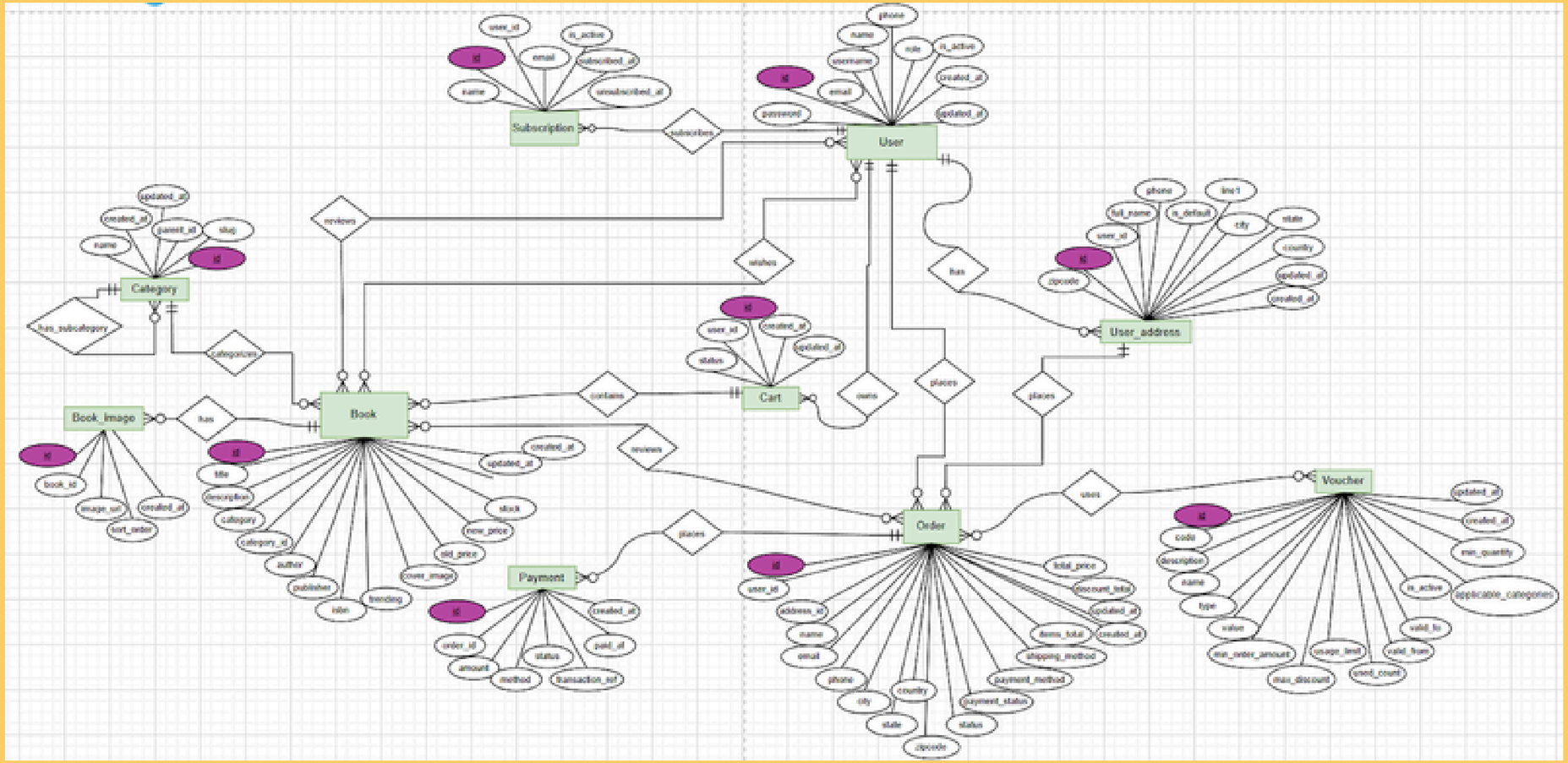
1. USE CASE DIAGRAM
2. ENTITY RELATIONSHIP DIAGRAM
3. CLASS DIAGRAM
4. SEQUENCE DIAGRAM



1. USE CASE DIAGRAM

- **Actor:**
  - User
  - Admin
- Use Cases:
  - Find books
  - Add Addresses
  - View Order History
  - Add to Wishlist
  - Add to Cart
  - Write feedback
  - Rate products
  - Comment products
  - View feedback
  - Control data
  - Manage users
  - Manage products
  - Make transactions

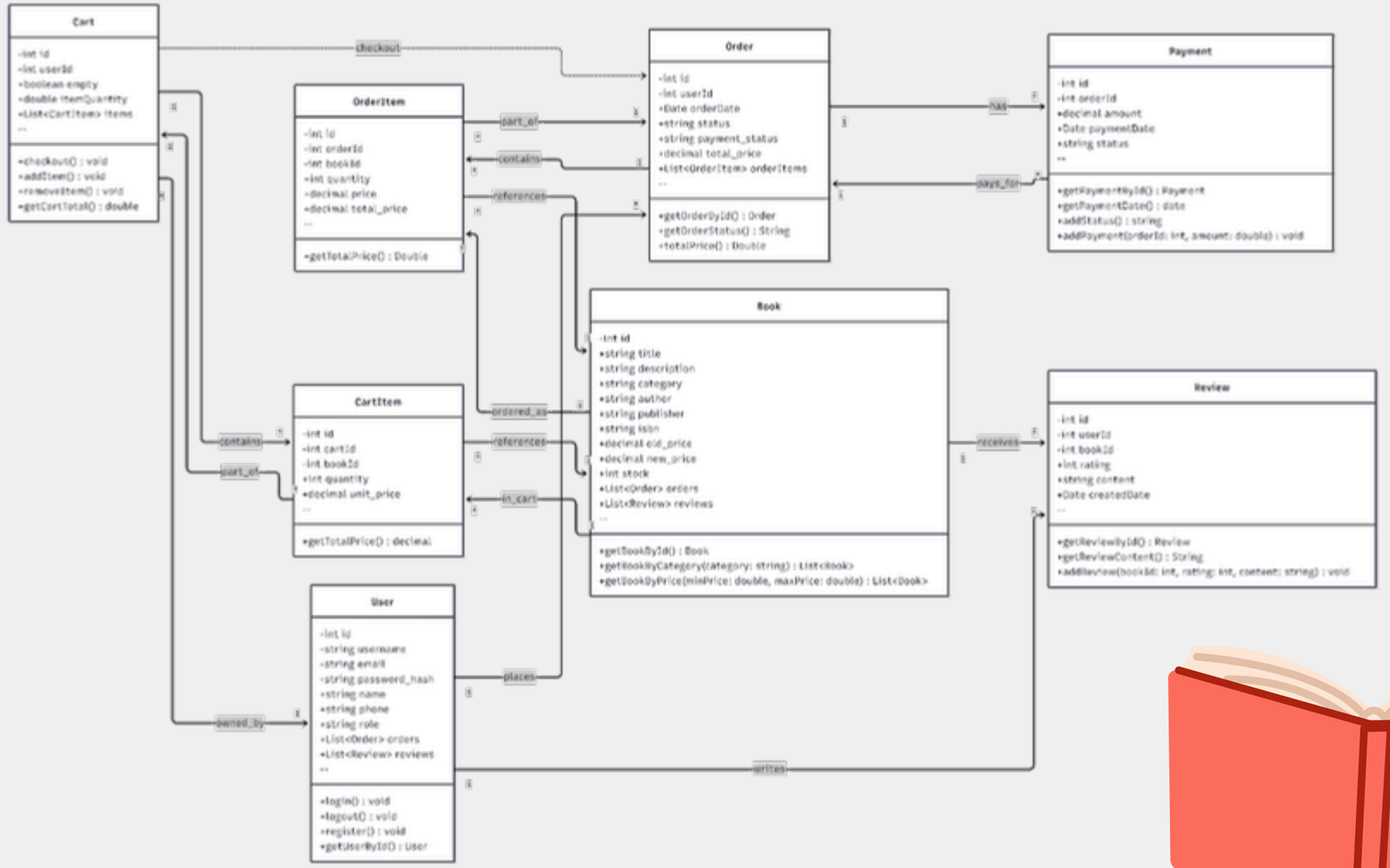
2.Entity Relationship Diagram

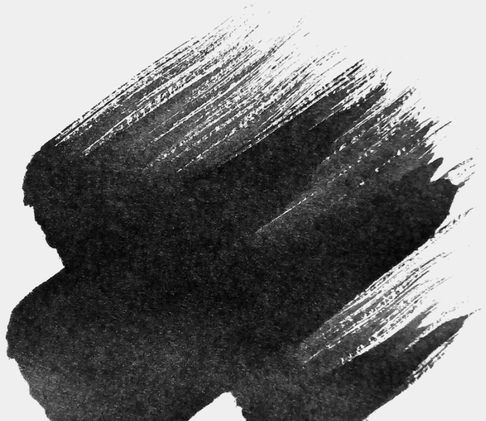


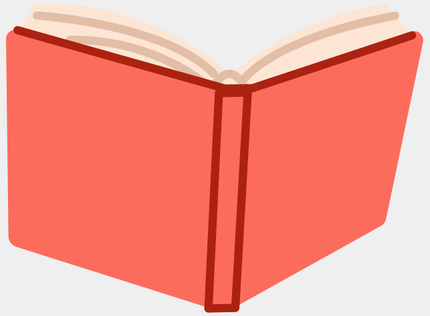
- Table:
  - Category
  - Book_Image
  - Book
  - Payment
  - Order
  - Voucher
  - User
  - User_address
  - Cart
  - Subscription

3. Class Diagram

- Classes:
  - Cart
  - Order
  - Payment
  - OrderItem
  - Book
  - Review
  - User
  - CartItem







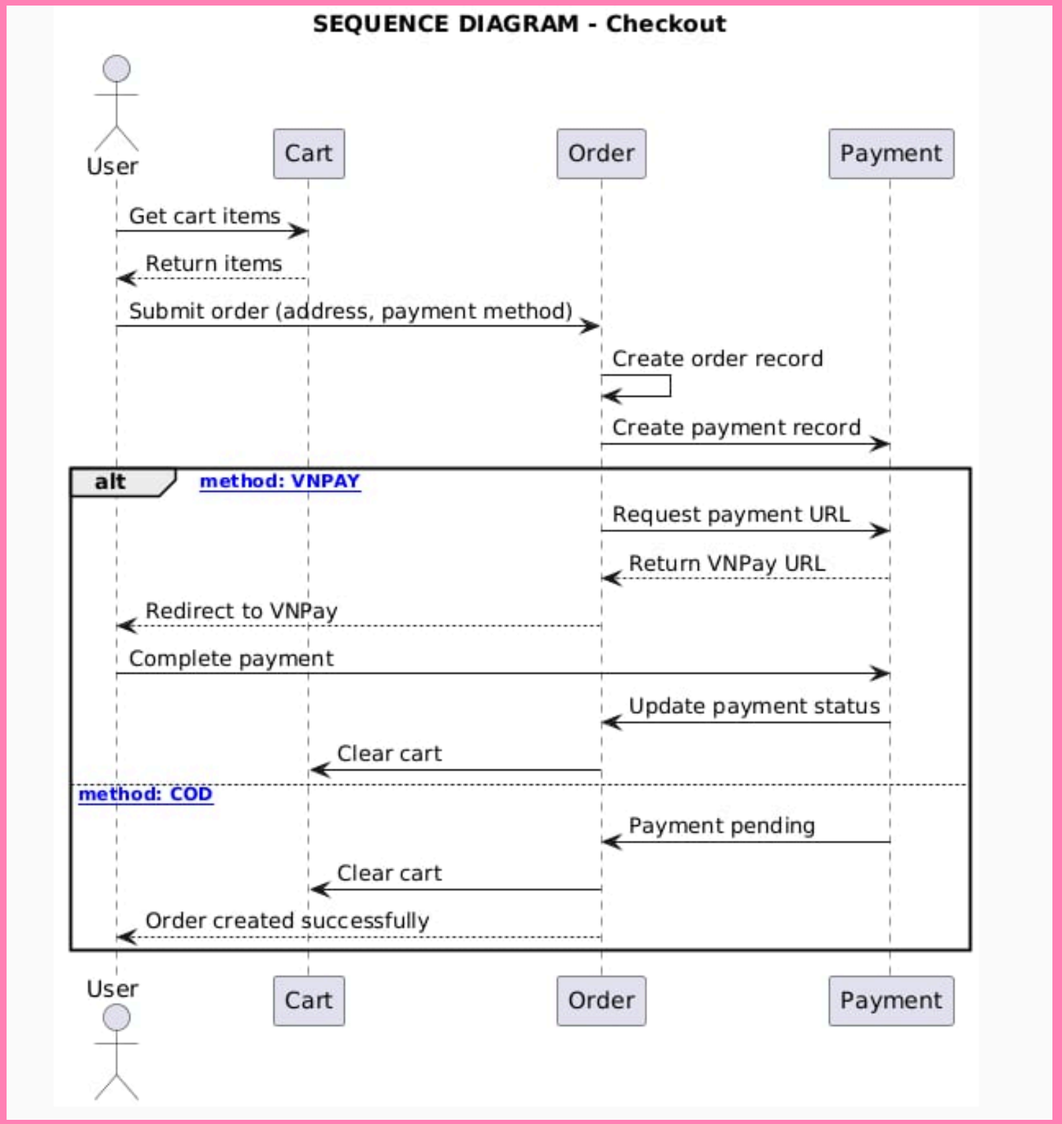
4. Sequence Diagram - Checkout

Actor: Customer

Object: Cart, Order, Payment

Interaction:

The customer submits checkout details from the cart. The system creates an order and payment record. If VNPay is selected, the user is redirected to complete payment. For COD, payment is marked pending. After successful processing, the cart is cleared and the order is confirmed.



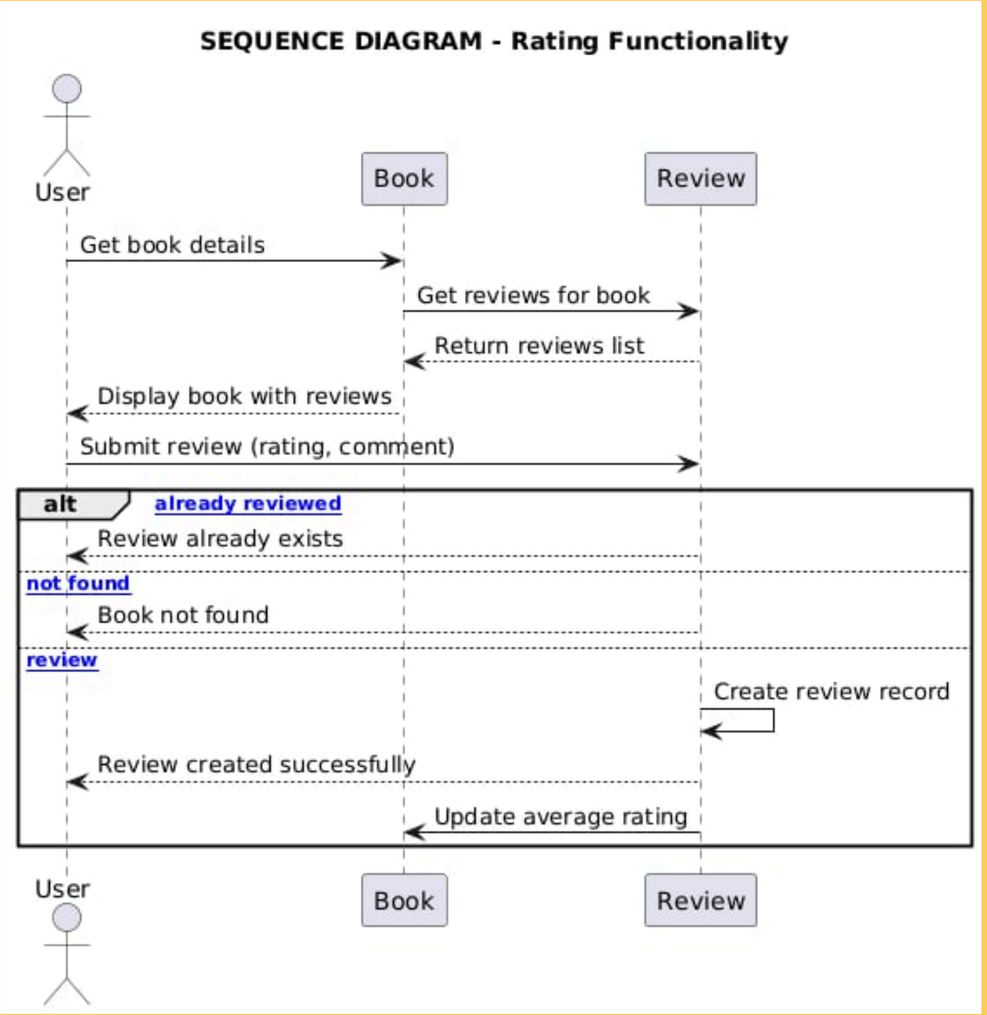
4. Sequence Diagram - Rating

Actor: Customer

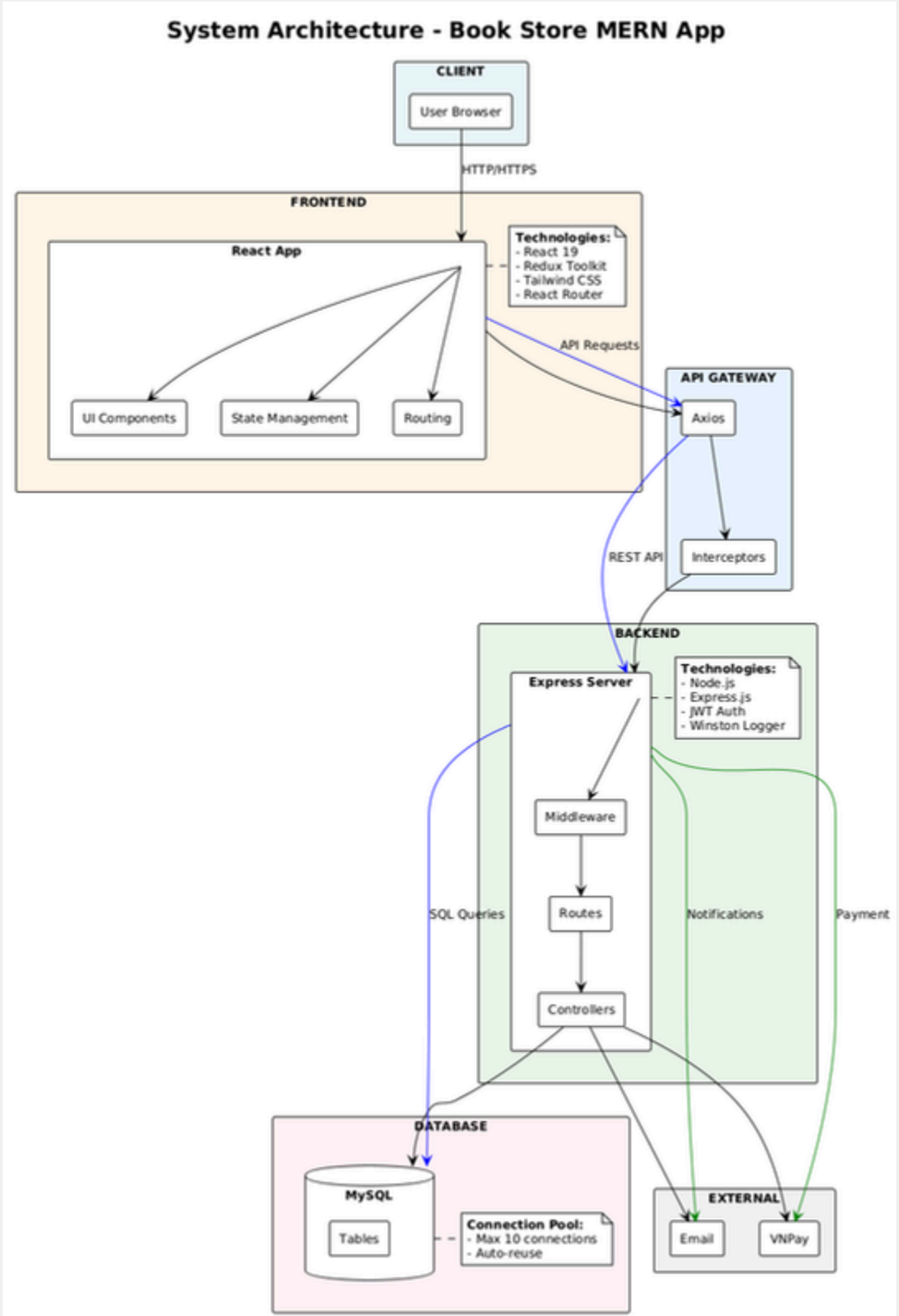
Object: Book, Review

Interaction:

The user views a book's details and existing reviews, then submits a star rating and optional comment. The system verifies the book, checks for duplicate reviews, creates a new review if valid, updates the book's average rating, and returns a clear success or error message to the user.

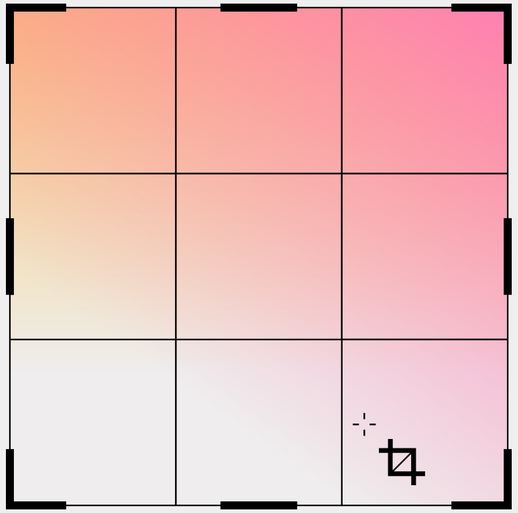


Architecture Diagram



DEMO

Linh



THANK YOU FOR YOUR ATTENTION!!!