

GOODREADS CLONE APP

Backend : Spring Boot

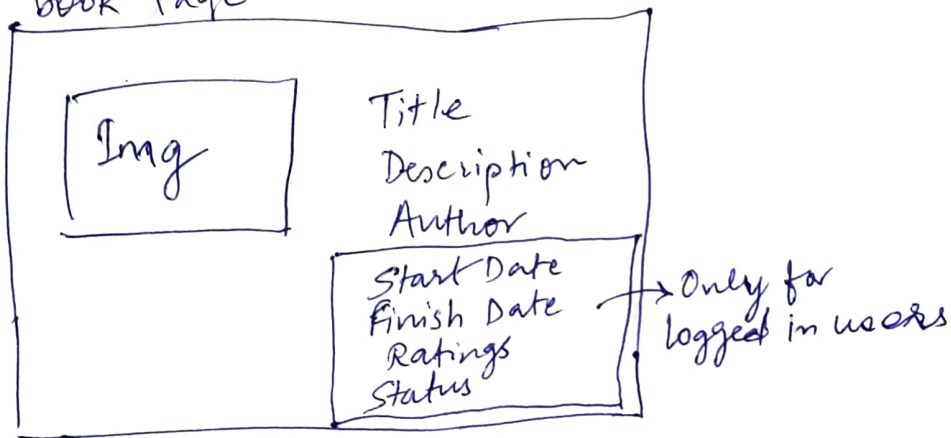
Database : Apache Cassandra (DataStax)

Data Layer : Spring Data Cassandra (to connect spring to Cassandra)

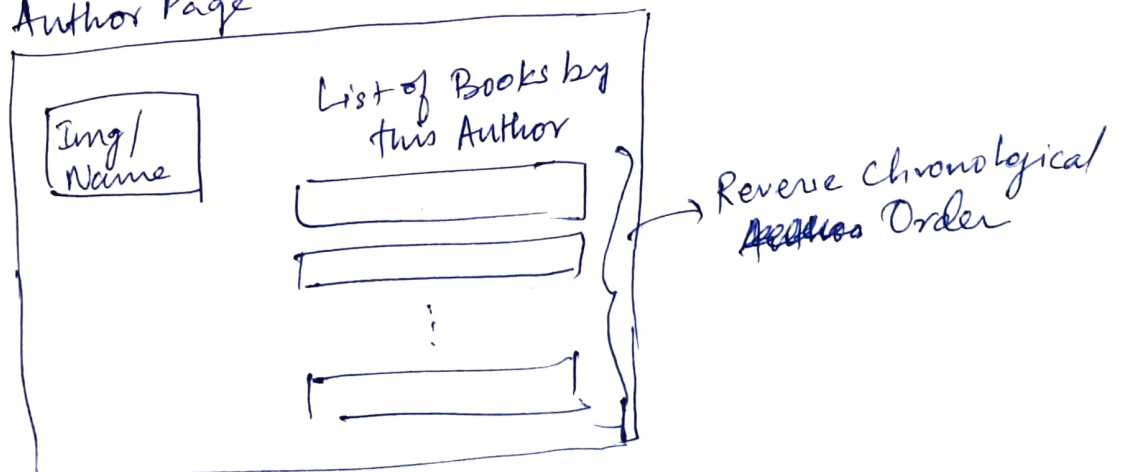
Security : Spring Security (OAuth)

View Layer / Template engine : Thymeleaf

Book Page



Author Page



Search Page

Search Bar Search

Search results based on keyword

Home Page (no-login experience)

Login

or

Search Bar Search

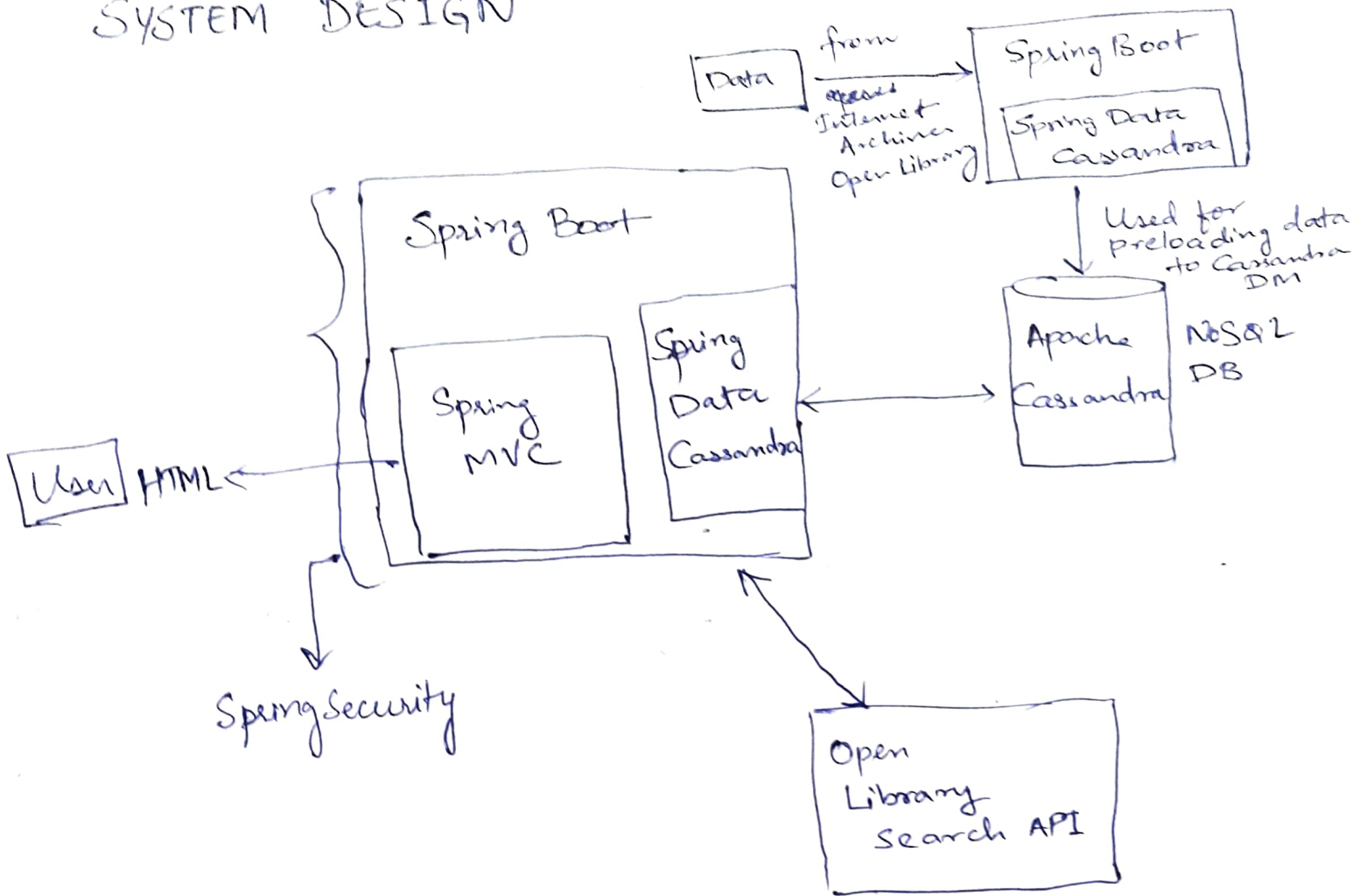
Not logged users can still access Book repository. ~~See~~ They can see the Book page without the form.

Home Page (for logged in users)

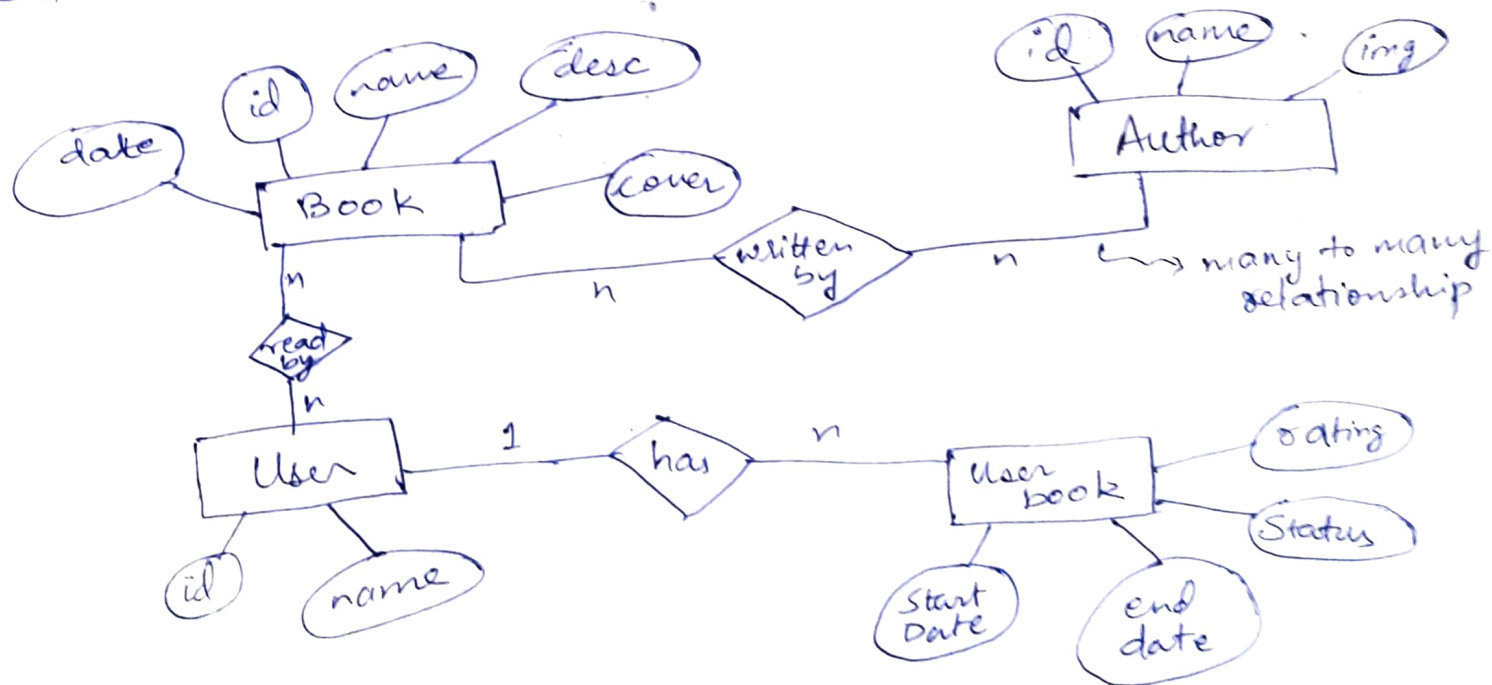
My Books

Reverse chronological order

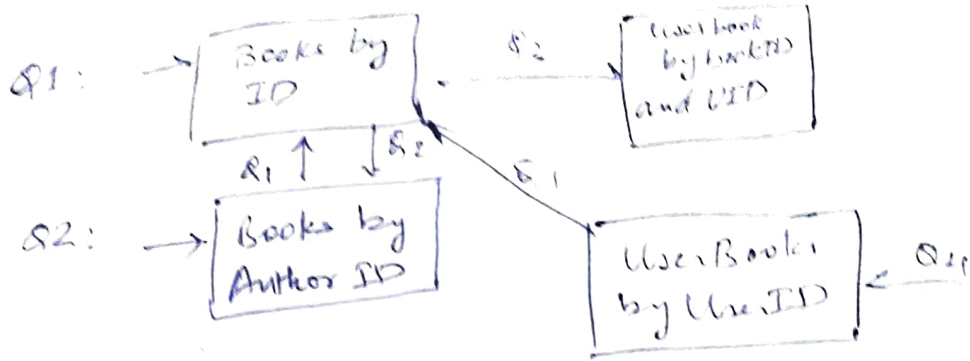
SYSTEM DESIGN



DATABASE DESIGN



QUERIES



DB Tables :

Chebotko Table

Q1

Book by ID	
bookID	pk
name	
desc	
cover	
author Name	
author ID	

Q2

Books by Author ID	
authorID	pk
name	
bookID	
bookName	
cover	
publishedDate	Cl

→ partition key

→ Clustering column in Descending order

Q3

Book by UserID and BookID	
UserID	K
Book ID	K
Start Date	
End Date	
Rating	
Status	

partition key

Q4

Books by UserID	
UserID	K
BookID	
Rating	
Time UID	C ↓
Status	C ↑