

설계데이터

Domain,Controller,Method,URL,Parameter,Body(json),Comment,Role

Book,BookController,POST,/books,, "id, isbn, title, author, introduce, tags",도서 추가,ROLE_MANAGER

Book,BookController,GET,/books,,, 전체 도서 조회,ROLE_USER

Book,BookController,GET,/books/search,searchKeyword,, 도서 검색,ROLE_USER

Book,BookController,GET,/books/{bookId},,, 도서 조회,ROLE_USER

Book,BookController,PUT,/books/{bookId},, "isbn, title, author, introduce, tags",도서 수정,ROLE_MANAGER

Book,BookController,DELETE,/books/{bookId},,, 도서 삭제,ROLE_MANAGER

BookCategory,BookCategoryController,POST,/categories,, "id, categoryName",카테고리 추가,ROLE_MANAGER

BookCategory,BookCategoryController,GET,/categories,,, 전체 카테고리 조회,ROLE_USER

BookCategory,BookCategoryController,GET,/categories/{categoryId},,, 카테고리 조회,ROLE_USER

BookCategory,BookCategoryController,PUT,/categories/{categoryId},,, 카테고리 수정,ROLE_MANAGER

BookCategory,BookCategoryController,DELETE,/categories/{categoryId},,, 카테고리 삭제,ROLE_MANAGER

BookCategory,BookCategoryController,POST,/categories/{categoryId}/books,, bookId,카테고리에 책 추가,ROLE_MANAGER

BookCategory,BookCategoryController,GET,/categories/{categoryId}/books,,, 카테고리의 책 조회,ROLE_USER

BookCategory,BookCategoryController,DELETE,/categories/{categoryId}/books/{bookId},,, 카테고리의 책 제외,ROLE_MANAGER

데이터로 질문 시작

I am trying to create a book management service with Java and Spring Boot. Design a domain based on the information below. 위 설계 데이터를 csv로 변형하여 붙여 넣기(shift enter 키 로 줄바꿈)

entity 코드 작성

Q: "I use Spring Data JPA with lombok. Please write the Book Entity code."

생성된 entity에 book category many to one 관계로 추가되어 있지 않으면 추가해 달라고 추가 요청

(Q: add book category to book entity)

Q: "I use Spring Data JPA. Please write the BookCategory Entity code." Repository Service Controller

코드 작성

Q: "Please write the BookRepository code."

Q: "Please write the BookCategoryRepository code."

Q: "Please write the BookService code."

Q: "Please write the BookCategoryService code."

Q: "Please write the BookController code."

Q: "Please write the BookCategoryController code."

실제 프로젝트 실행

Security "Please write spring security configuration code."

테스트 코드

Q : Please write the test code with mokito

readme

Q : Please make the Readme.md file

ProjectnosecuApplication

Project

- projectnosecu C:\Users\NT751\IdeaProjects\projectnosecu
 - .gradle
 - .idea
 - build
 - gradle
 - src
 - main
 - java
 - com.example.projectnosecu
 - Book
 - BookController
 - BookRepository
 - BookService
 - BookServiceImpl
 - ProjectnosecuApplication
 - resources
 - test
 - .gitignore
 - build.gradle
 - gradlew
 - gradlew.bat
 - HELP.md
 - settings.gradle

Services

- HTTP Request
 - Finished
 - generated-requests | #1 Status: 201 (317)
 - Not Started
 - Docker

```
1  ###
2  POST http://localhost:8080/books
3  Content-Type: application/json
4
5  { "isbn": "978-0061120084",
6    "title": "To Kill a Mockingbird",
7    "author": "Harper Lee",
8    "introduce": "A Pulitzer Prize-winning novel about racial injustice and moral gr
9    "tags": [
10     "classic",
11     "fiction"
12  ]
13
14  <> 2023-08-29T091644.201.json
15  <> 2023-08-26T172119.201.json
16
17
18
19
20  ###
21  GET http://localhost:8080/books
22
23  <> 2023-08-26T172123.200.json
24
```

view

```
{
  "id": 1,
  "isbn": "978-0061120084",
  "title": "To Kill a Mockingbird",
  "author": "Harper Lee",
  "introduce": "A Pulitzer Prize-winning novel about racial injustice and moral growth.",
  "tags": [
    "classic",
    "fiction"
  ]
}
```

scratches > generated-requests.http

12:5 CRLF UTF-8 0 space

Project

projectnosecu

gradle

idea

build

gradle

src

main

java

com.example.projectnosecu

Book

BookController

BookRepository

BookService

BookServiceImpl

ProjectnosecuApplication

resources

test

.gitignore

build.gradle

gradlew

gradlew.bat

HELP.md

settings.gradle

ce.java

BookServiceImpl.java

BookController.java

generated-requests.http

Run with: No Environment

Import from Postman available

Examples

1

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###

POST http://localhost:8080/books

Content-Type: application/json

{

"isbn": "978-0061120084",

"title": "To Kill a Mockingbird",

"author": "Harper Lee",

"introduce": "A Pulitzer Prize-winning novel about racial injustice and moral growth.",

"tags": [

"classic",

"fiction"

]

}

<> 2023-08-29T091644.201.json

<> 2023-08-26T172119.201.json

###

GET http://localhost:8080/books

<> 2023-08-26T172123.200.json

Services

HTTP Request

Finished

generated-requests | #1 Status: 201 (317)

Not Started

Docker

(Headers) Content-Type: application/json

{

"id": 1,

"isbn": "978-0061120084",

"title": "To Kill a Mockingbird",

"author": "Harper Lee",

"introduce": "A Pulitzer Prize-winning novel about racial injustice and moral growth.",

"tags": [

"classic",

"fiction"

]

}

12:5 CRLF UTF-8 0 space

Project

projectnosecu

gradle

idea

build

gradle

src

main

java

com.example.projectnosecu

Book

BookController

BookRepository

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BookServiceImpl

ProjectnosecuApplication

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BookController.java

generated-requests.http

Run with: No Environment

Import from Postman available

Examples

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{

"isbn": "978-0061120084",

"title": "To Kill a Mockingbird",

"author": "Harper Lee",

"introduce": "A Pulitzer Prize-winning novel about racial injustice and moral growth.",

"tags": [

"classic",

"fiction"

]

}

<> 2023-08-29T091644.201.json

<> 2023-08-26T172119.201.json

###

GET http://localhost:8080/books

<> 2023-08-29T091907.200.json

<> 2023-08-26T172123.200.json

Services

HTTP Request

Finished

generated-requests | #1 Status: 201 (317)

generated-requests | #2 Status: 200 (134)

Not Started

Docker

{

"id": 1,

"isbn": "978-0061120084",

"title": "To Kill a Mockingbird",

"author": "Harper Lee",

"introduce": "A Pulitzer Prize-winning novel about racial injustice and moral growth.",

"tags": [

"classic",

"fiction"

]

}

12:5 CRLF UTF-8 0 space

```
[{"id":1,"isbn":"978-0061120084","title":"To Kill a Mockingbird","author":"Harper Lee","introduce":"A Pulitzer Prize-winning novel about racial injustice and moral growth.","tags":["classic","fiction"]}]
```