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应用系统体系架构 — 作业8

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## Modify the content you think is appropriate to store in MongoDB, such as the entire Book table, or the cover image, content introduction or book review in the Book . You can refer to the course examples to store data in MySQL and MongoDB respectively, or you can store all data in MongoDB. If you use the latter, you need to ensure that the system functions can be implemented normally, including book browsing, querying, placing orders, and Manage inventory, etc.

## Mongo Db:

## Implementation:

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## Changes in BookDao

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## Front changes

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## Add some tags to each of your books to indicate the genre classification of these books. Construct these tags into a connected graph (or a tree) in Neo4J to represent the relationship between these tags, for example, Fiction and Scientific There are edges connecting Fictions, indicating that the latter is a subdivision of the former. Add a search function to the system. If the user searches according to tags, you can select all the tags stored in Neo4J that are related to the tags selected by the user and can be associated with the secondary edge connection as the basis for the search. In MySQL Search for all books with any one or more of these tags and present them to the user as book search results.

## **DEMO**

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## Neo4j database:

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## **Backend changes:**

## BookController.java

## BookService.java

## BookDao.java

## TagRepository.java

## Tag.java

## **Front end changes**

## BookList.js