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应用系统体系架构 — 作业4

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## IMPLEMENTATION

## I have used RedisStatusService to track whether the Redis is available to use later or not.

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## In my BooksDao I have injected redisStatusService and redisTemplate, and as in example given during class, implemented **save, find, list and delete** functions.

## 

## *Delete in booklist, cause its changed. When set book with id that exisist, template will overwrite it , so no need to delete then save.*

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## *I have used loggers and system currentTime to track the performance.*

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## DEMO:

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## As we can see when Redis is not working we can 120 ms for listing the books and 12 ms for getting one book , but when we connect Redis , the first time it uses 165ms to set the cache in Redis and next time only 2 seconds to list books which is good improvement. Same for getting only one book with 13 ms without cache and only 2 ms with cache.