Chapter 5: Schema Issues

Investigate Schema Issues

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The correct answer is:

- The application is triggering many more queries than are necessary for each operation.

You can see this in a number of ways. The most apparent way is to turn on the profiler:

```
db.setProfilingLevel(2)
```
COPY

and then hitting "enter" on the simulated application.

Then turn off the profiler and count the queries.

```
db.setProfilingLevel(0)
db.system.profile.count()
```
COPY

Far too many operations (read AND write) are occurring.

You can also see this if you run mongostat.

The following are not correct:

- The schema suffers from excessive normalization.

You can look at the fact that there are only 4 collections to see this.

You will also notice that the book's "checked out" status is logged in the "users" collection. Each user has a list of checked-out books, with a unique index on the **book_id**. If you query this, you can determine if a book is checked out or not.

- The application is creating too many connections to the replica set without closing them.

You can see that this is not a problem by looking at mongostat, or by examining the logs, where you can see that the number of connections doesn't spike.

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