



Course Overview



View Discussion

Chapter 5: Schema Issues

Investigate Schema Issues

Problem:

In this homework assignment we are expecting you to have the **m312RS** Replica Set cluster up and running in your VM. To get it started you can run the following command:

```
mlaunch init --replicaset --wiredTigerCacheSizeGB 6  
--port 30000 --oplogSize 100 --name m312RS --dir /c
```

COPY

Download the handout, and add it to the VM. Initialize the database by running the following:

```
./library_db_simulator.py --init
```

COPY

This will drop the **m312** database, populate its collections, and create indexes. You can run it with `--help` to control some of the parameters it uses.

Next, run it in the following mode:

```
./library_db_simulator.py --simulate
```

COPY

After the first batch of queries, each time you hit **enter**, it will simulate someone checking out a book. Your task is to determine which of the following are issues:

Attempts Remaining: **Correct Answer**

Check all answers that apply:

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

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

☐ The schema suffers from excessive normalization.

[See detailed answer](#)

[Proceed to next section](#)

Assignment is Due

07d:02hr:48m

31 gru, 17:00 UTC

Your Grade

PASS/FAIL

Submitted

Download Handouts

[!\[\]\(9c2e8d1b5bd77cb5c9f83b7a9cff79fd_img.jpg\) m312/library_db_simulator.py](#)