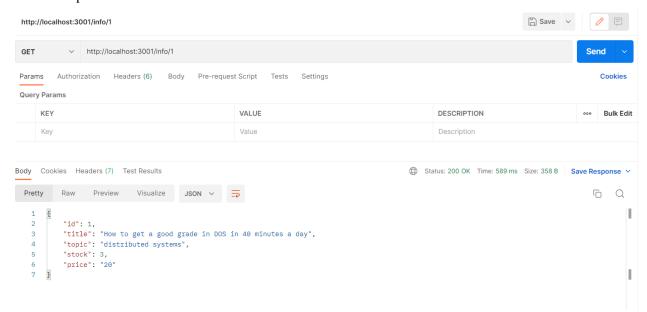


DOS OUTPUT HW2

By:

Hala Barqawi (11821121) , Asala Tibi (11819226).

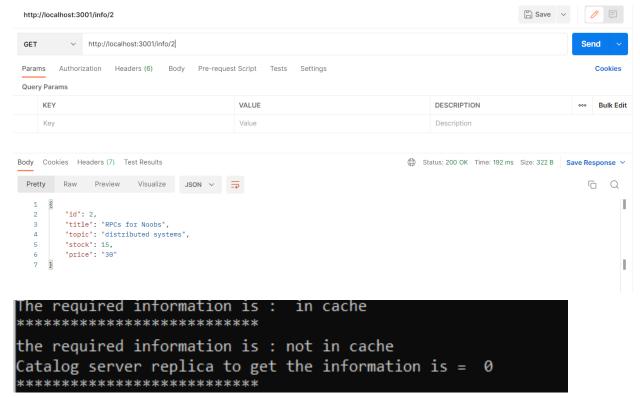
GET: request the information of book with id = 1



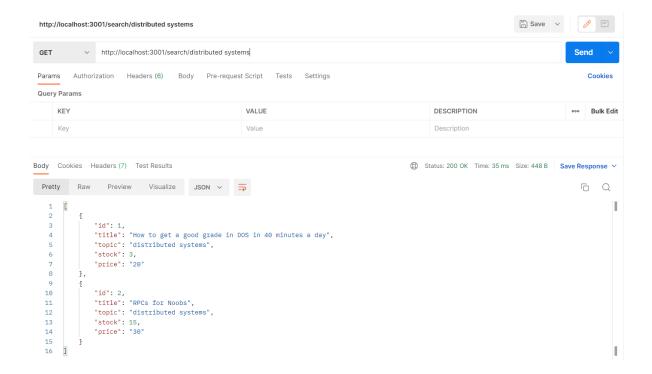
Fronted Server running on port 3001 Console for the first time we requested information of the above book.

2nd time we requested the same book, it was found in cache.

GET: request the information of book with id=2



${f GET:}$ The first search about book with distributed systems topic

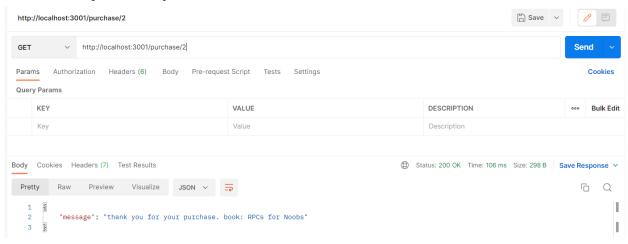


Fronted server Console after the above search

Search again about the above topic (send Request again):

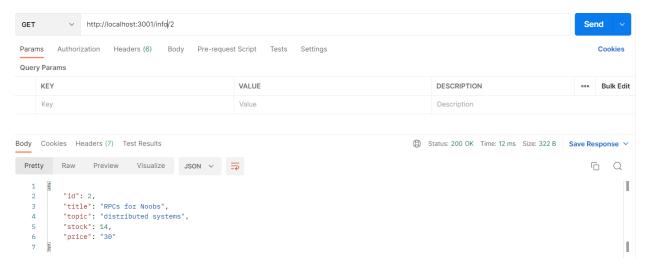
PURCHASE:

GET: send a purchase request on book with id =2.



The Stock in the database of both replicas has been updated. Also when requesting the information of that book .

Shown below:



Console shows that the updating operation of the stock value was done correctly and the cache invalidated so the book with id=2 is not in the cache anymore.

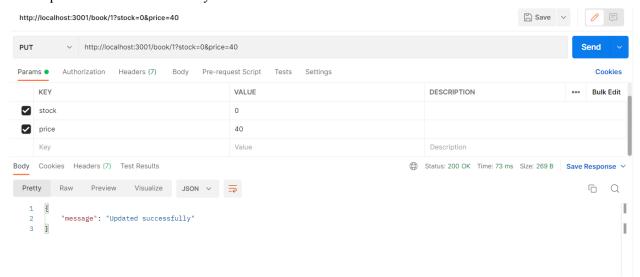
UPDATING:

PUT: request to update the price value of the book with id=2.

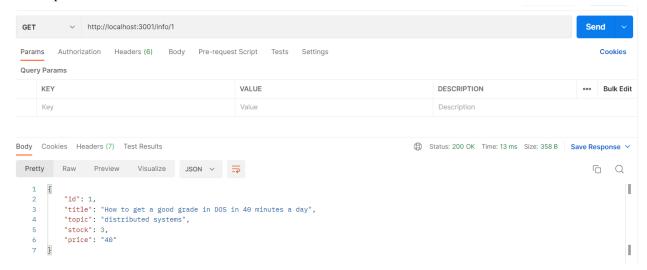
The price was =20

Then it should =40

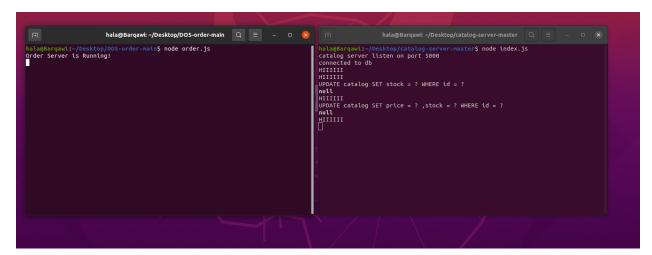
The request was done successfully.



Requesting the information of the book with id=1 to ensure that price was updated, the updating done on both replicas.



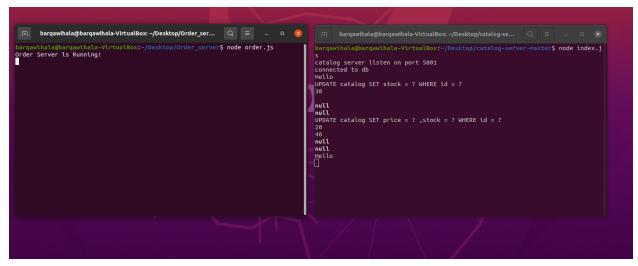
Console shows that after updating and requesting the information it's not in the cache any more because cache received invalidating which means that the object inside it is not correct or exists now.



Replica 1 (192.168.1.167) containing a copy of both order and catalog server.

Order server running on port 3004

Catalog server running on port 5000



Replica 2(192.168.1.136) containing a copy of both order and catalog server. Order server running on port 3003

Catalog server running on port 5001