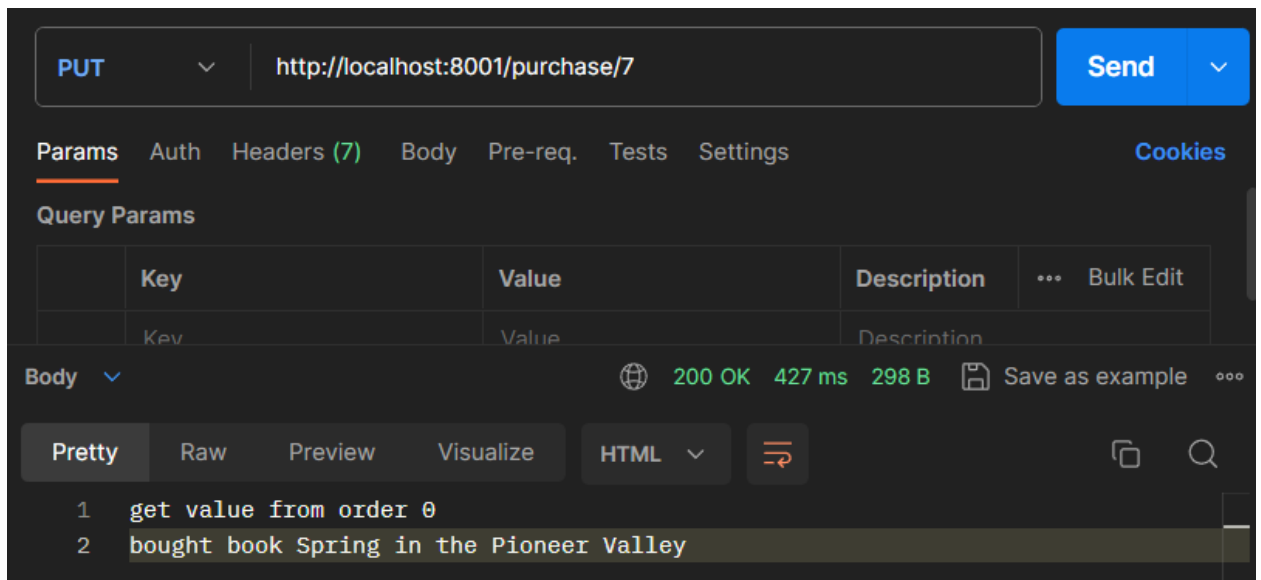# Bazar.com

Yazan Diab, 11924326
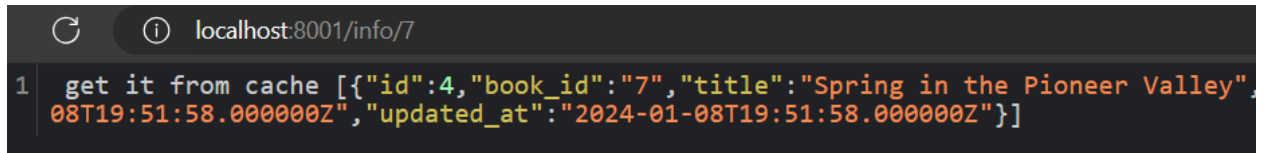
Ibrahim Ashour, 11923942

1-

The average response time for buy book operation about 430 ms, the cache does not help in this operation; because this operation does not depend on it.
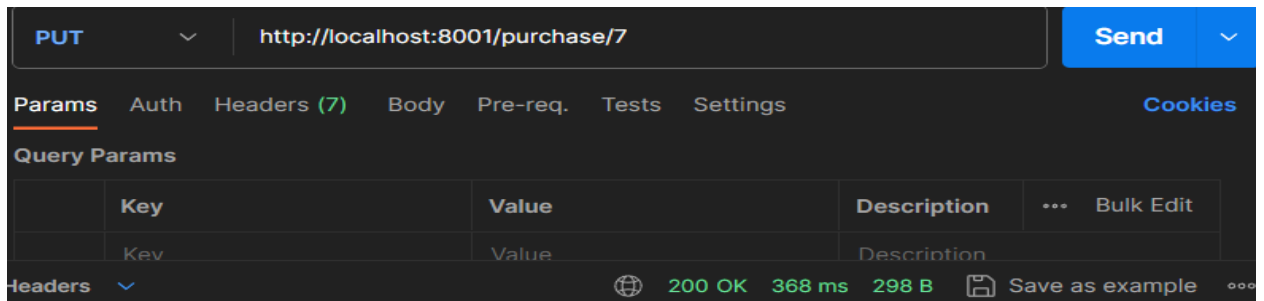
2-

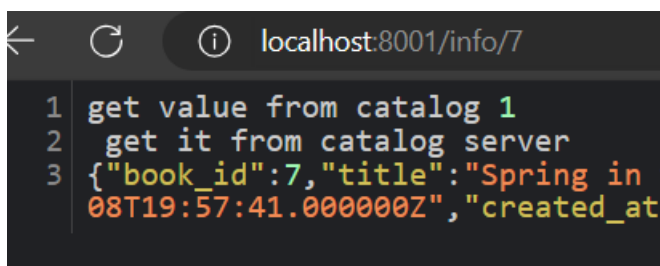In the first we have a book id: 7 and it exists in cache

```
1  get it from cache [{"id":4,"book_id":"7","title":"Spring in the Pioneer Valley",
   08T19:51:58.000000Z","updated_at":"2024-01-08T19:51:58.000000Z"}]
```

localhost:8001/info/7

After that we make a purchase request:

PUT	∨	http://localhost:8001/purchase/7				Send	∨

Params Auth Headers (7) Body Pre-req. Tests Settings   Cookies

Query Params

	Key	Value	Description	•••	Bulk Edit
	Key	Value	Description		

Headers ∨   ⊕ 200 OK 368 ms 298 B 🖫 Save as example ∘∘∘

Now the after order server sent invalidate to frontend, this book will be removed from cache, so when make a new request it will get from catalog not cache.

localhost:8001/info/7

```
1  get value from catalog 1
2   get it from catalog server
3  {"book_id":7,"title":"Spring in t
   08T19:57:41.000000Z","created_at'
```

There are overheads in consistency operations from requests that catalog server send them to front end and another catalog server.