# **Project Details**

Task: F

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Repo Link: https://github.com/tanweijie123/CS3219\_Sandbox/tree/main/Task\_F

Backend Link: http://tanwj.link:8081/api/book

Project is based on Task B, but added busy waiting by 2 seconds during intial access.

#### Overview

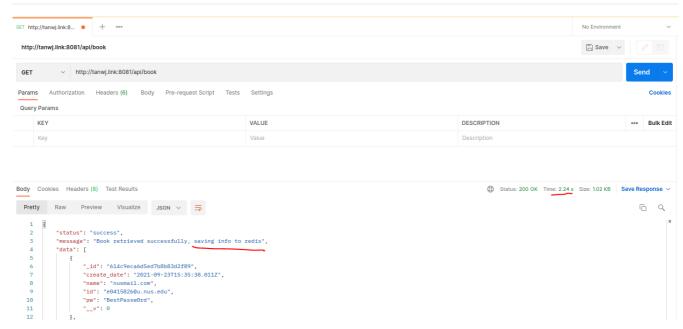
When you first access the link, it will take a long time to process data. On the subsequent visit, the server will return the cached data, hence lowering the time required to return an answer.

#### Information:

- Retrival from database takes 2 second to process.
- Every cache has 30 seconds expiry.
- Access this link to flush cache.

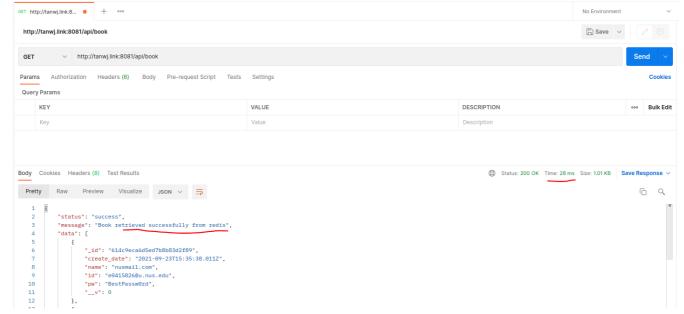
## **Details**

### **First Time Visiting**



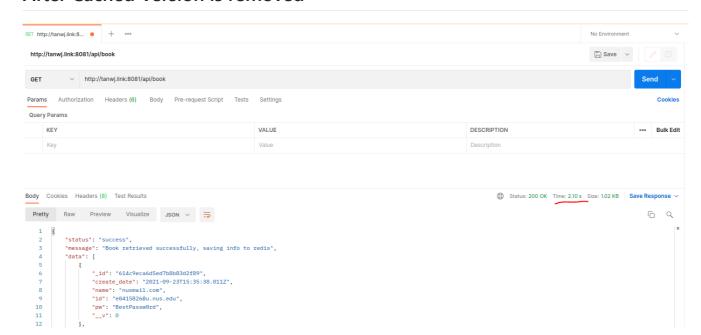
During the first access, it takes 2.24s for a response.

#### **Subsequent Visits**



On subsequent accesses, it will take 28s for a response, until the cached information expires in 30 seconds.

#### After Cached Version is removed



When the cache is removed (either after 30 seconds has past since first accessed, or forced flush), it will take 2.1s to perform retrieval again.