About Booksearch

-DB

Use Elasticsearch DB by index ‘books’

Index ‘books’ contains many struct ‘book’s

Book has 6 fields (id: int, title: string, author: string, released\_at: time.Time, created\_at: time.Time, content: string) , use string(id) as ID in Elasticsearch.

-Server & API

<http://localhost:8080/books?id=abc>

can GET book which has ID ‘abc’

or DELETE book which has ID ‘abc’

<http://localhost:8080/books>

can POST Book as JSON

or PUT Book as JSON (ID as Book’s id)

<http://localhost:8080/search?query=abc&field=content&sort=score>

can GET search book which matches query ‘abc’ from field ‘content’ (can use ‘title’ or ‘author’) and sort by ‘score’ (can use ‘time\_new’ or ‘time\_old’, ‘alphabet’)

Default parameter for field is content, sort is score, query cannot be blank.

Sort by ‘time\_new’ means by release date descending order, ‘time\_old’ as ascending, ‘alphbet’ as title alphabetical order.