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Java MySQL paginating

asked 3 years ago

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Im am trying to do pagination as efficent as possible. Currently, i work with a database that has over 5 milion records.

I tried with LIMIT pageSize, startIndex, like this: Select (a.id) From Article a .....LIMIT 50, 0 In here, the pageSize is 50 and startIndex = 0.

But this is only good if you don't go to deep through the pages. The solution was not to use startIndex, but only the pageSize:

Select (a.id) From Article a .....ORDER BY a.id LIMIT 50

Next page would be: SELECT (a.id) FROM Article a WHERE a.id > lasId ORDER BY a.id

But without the startIndex, it is only possible to go forwards, and only one step backwards.

Is there a better way to do pagination in Java and Mysql?

java mysql pagination

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asked Feb 4 '13 at 20:23

user1786646

71 ● 8

I'm not sure why you think the LIMIT technique is only good if you don't go too deep through the pages. You can just keep moving through them 50 records at a time, changing the offset (aka startIndex) as you go.
– jfrank Feb 4 '13 at 20:31

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2 Answers

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Read this article about proper ways to do pagination in MySQL (with large data sets):
http://www.xarg.org/2011/10/optimized-pagination-using-mysql

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answered Feb 4 '13 at 20:27

Miguel Prz

11k ● 15 ● 30

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0

You can always do this:

```
int pageNum = ?;
int pageLength = 50;

String query = String.format(
```

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```
    "SELECT ... LIMIT %d, %d",
    pageNum * pageLength,
    pageLength
);
```

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answered Feb 4 '13 at 20:28

Anh Nhan Nguyen

308 ● 1 ● 8

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