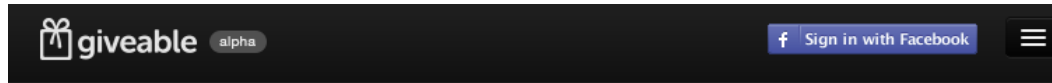


Really Mongo? Really?!

Yanir Seroussi
Giveable

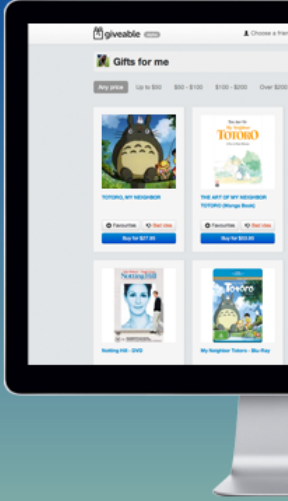
Giveable



Don't give lame gifts!
Instant Ideas for Friends and Family

[Join the waiting list today](#)

Giveable is currently in private alpha. Connect with Facebook to join the waiting list. We will prepare gift suggestions for your friends, and notify you when you may sign up.

A screenshot of the Giveable website interface. The page is titled "Gifts for me" and features a grid of gift suggestions. The suggestions include items like "Totoro, My Neighbor Totoro" and "The Secret Garden". Each suggestion includes a small image of the item, a title, and a price range. There are also buttons for "Favorite" and "Add to Cart" for each item.

Gift suggestions based on social data: we use Mongo everywhere!



Gift Wonder Wall

Big views of bright, bold and wonderful gifts.



Gift Idea Magic

Infinite gift ideas for people close to you.



Spread Gift Love

Chipping in with someone? Collaborate on gift ideas.

Sometimes, Mongo Makes Us Sad Pandas

(with wings)





Database-level Locking

Lots of writing

Low budget (can't afford too many machines for sharding)

Silly to lock the entire database for isolated writes





Solution: Collection-level Locking

Moved each collection to its own database

Quick and dirty but seems to speed things up

Happy to discuss better solutions





\$all Bug

Indexed _keys

`find({_keys: { $all: ["x", "y"]}})` is slow

Why? All the documents that match the first key are scanned (!!!)





Solution: Our Own Index

Simple index intersection didn't work:
`find({_keys: "x"}, {_id: 1})` requires scanning!

Instead, added a collection with index `_key`: each document contains the matching IDs (used for index intersection)

Querying is way faster!



More to come...

In the meanwhile: free food!

<http://giveable.co/promo>

