

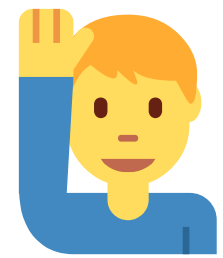


BIZOM
business on the move

hey!

we built a search engine.


**a search engine that
understands you.**



**"how are you different
from amazon?"**

built for a
retail environment.

current solutions

Advanced Search 🔍 Search across Zoho		
	<input type="checkbox"/> NAME	SKU

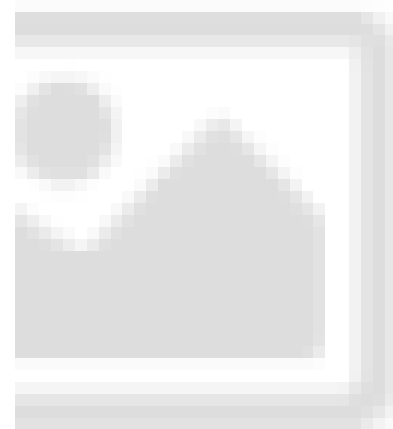
☐

 blue shirt

112



current solutions



blue shirt





current solutions

Search Criteria

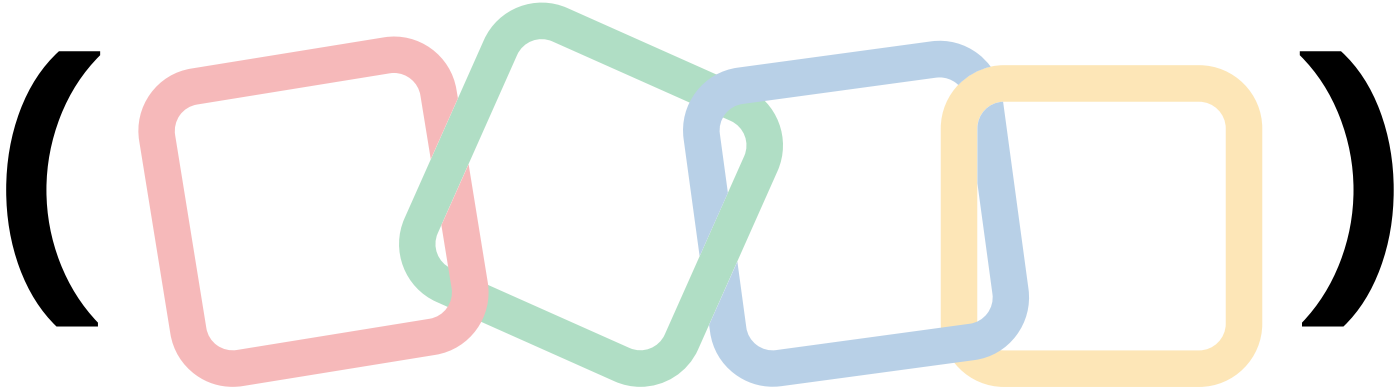
- Items, Description and Custom Fields have a match for **any colored shirt**

Advanced Search

 Search across Zoho

 <input type="checkbox"/> NAME	SKU
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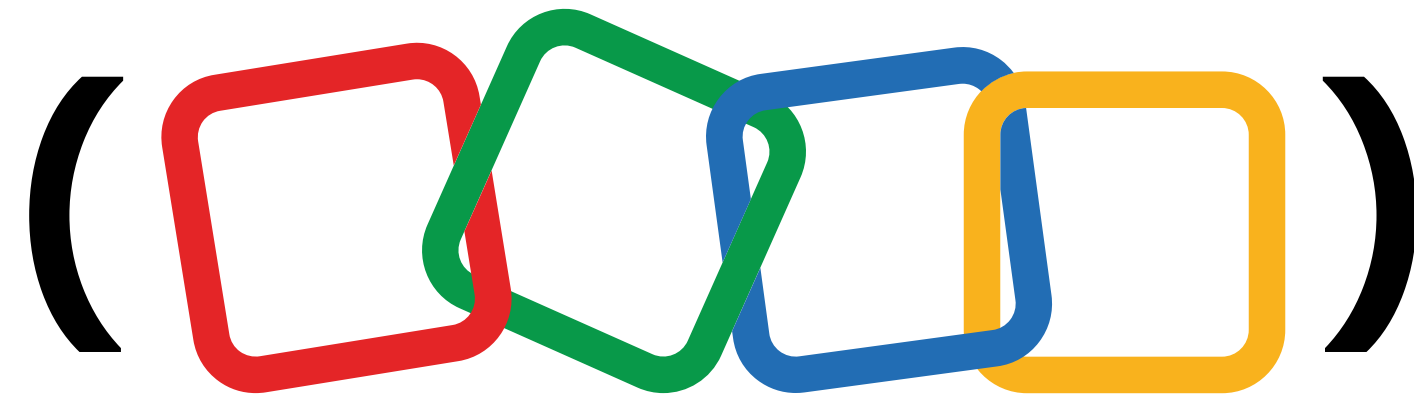
No Records Found



current solutions

r any colored shirt

No Records Found



zoho (and many others)

so what's the problem?

so what's the problem?

keyword based search

what do we propose?

~~keyword~~ based search
Semantics

fast,

light,

independent

fast, quick replies.

light,

pendent

fast,
no external apis.

light,

dependent

fast,

light,

open source and
simple.

how do we do this?

essentially,

representing words
numerically using vectors
and calculating cosine
distance between those
vectors.

king - man + woman = queen
king - man + woman = queen
king - man + woman = queen

the checklist:

the checklist:

- ✓ **fuzzy search**
- regional words
- semantics
- similar products

Bizom Search

Big Vendor ▾

SEARCH

Puramate Tooty Fruity Mix, 100 g
Similarity: 0.43
Price: 45.0

Puramate Tooty Fruity Red, 100 g
Similarity: 0.42
Price: 45.0

Britannia Gobbles Fruity Fun Cake, 50 g
Similarity: 0.42
Price: 13.5

the checklist:

- ✓ fuzzy search
- ✓ regional words
- semantics
- similar products

Bizom Search



Big Vendor ▾

SEARCH

Surya Pudina Soya Sticks 150g (Pack of 2, 150g Each) (Total 300g) | Indian Namkeen | Pudina Masala

Similarity: 0.46

Price: 225.0

Delicious Coriander 200 g

Similarity: 0.41

Price: 119.0

Deccan Organic Coriander Powder 100 g

Similarity: 0.41

Price: 44.0

the checklist:

- ✓ fuzzy search
 - ✓ regional words
 - ✓ **semantics**
- similar products

Bizom Search



Big Vendor ▾

SEARCH

Catch Flavoured Water – Peach, 750 MI Bottle(Savers Retail)

Similarity: 0.37

Price: 55.0

Catch Club Soda, 750 MI Bottle(Savers Retail)

Similarity: 0.34


Price: 25.0

Soogo Woody Cube Jar For Beverages – Trendy & Fashionable, Food Grade, 1 L (Set of 2)

Similarity: 0.32

the checklist:

- ✓ fuzzy search
- ✓ regional words
- ✓ semantics
- ✓ **similar products**

Bizom Search 

Dukes Waffy Pineapple Wafers 60 g
Similarity: 0.57
Price: 25.0

J.J. Rice Wafers 200 g
Similarity: 0.55
Price: 30.0

UNIBIC Wafers - Rich Chocolate, 75 g (11)
Similarity: 0.53
Price: 60.0

**+ a price weight
edge case for
vendors based
on size**

Bizom Search



Big Vendor ▾

SEARCH

Gala Plastic Broom, 1 pc

Similarity: 0.60

Price: 129.0

Dash Coco Premium Broom, 1 pc

Similarity: 0.52

Price: 59.0

Bizom Search



Small Vendor ▾

SEARCH

Jiwan Gold Broom

Similarity: 0.42

Price: 0.0

Jiwan Platinum Broom

Similarity: 0.40

Price: 0.0

Tech Stack & Libraries

1. Pandas

- For data manipulation and cleaning.

2. FuzzyWuzzy

- For fuzzy string matching and query correction.

3. Scikit-learn

- For vectorization (TF-IDF) and cosine similarity calculations.

4. Googletrans

- For translating non-English queries into English.

5. NumPy

- For numerical computations, including price normalization and adjustments.

6. Re (Regular Expressions)

- For text preprocessing and keyword detection.

made with ♥,

team

**ye kya kar
rahe ho?**

(a question we get often)