

Spices R Us

Group 17

Local Database vs Cloud Database

Zafar Jasat

Online NoSQL DB (mongoDB)

- Access from anywhere
- Effortless collaboration
- Greatly increased safety of customer data
- Encrypted password storage
- Decentralised storage
- Scalability

Pricing can change at any moment

We offer a global cloud database service and subscriptions for deploying on-premises or in your private cloud



Cloud
Database as a service



On-Premises
In your environment



Mobile
App dev services

MongoDB Atlas

Fully managed, global cloud database on AWS, Azure, and GCP

Recommended

Shared Clusters

Starting at

Free

[Start Free](#)

For teams learning MongoDB or developing small applications. Get **512MB** storage free and scale up to **5GB**.

Dedicated Clusters

As low as

\$57/mo

[Get Started](#)

For teams building applications that need advanced development or production-ready environments.

Dedicated Multi-Region Clusters

As low as

\$95/mo

[Get Started](#)

For teams developing world-class applications that require multi-region resiliency or ultra-low latency access.

Encrypted Data

QUERY RESULTS 1-6 OF 6

>

```
_id: ObjectId("604f53fd11f4816efc5a9c45")
firstName: "Mike"
lastName: "Stone"
email: "m1@gmail.com"
password: "$2a$10$6369ECN4L4/y18fUTMDgmOdawfKb2Ysh3TVM9Iwtw0ljg2PJbwaew"
customerBasket: DBRef(basket, 6062f6ec823db33b0ef0e3c6, undefined)
> roles: Array
> favouriteSpices: Array
> favouriteRecipes: Array
_class: "com.example.model.User"
```

Informative Dashboard

ZAFS ORG - 2021-01-27 > SPICES R US

Clusters

Create a New Cluster

Find a cluster...

SANDBOX

Cluster0

Version 4.4.5

CONNECT

METRICS

COLLECTIONS

...

CLUSTER TIER

M0 Sandbox (General)

REGION

AWS / Frankfurt (eu-central-1)

TYPE

Replica Set - 3 nodes

LINKED REALM APP

None Linked

This is a Shared Tier Cluster

If you need a database that's better for high-performance production applications, upgrade to a dedicated cluster.

Upgrade

Logical Size 290.6 KB

512.0 MB max

0.0 B

Last 30 Days

Operations R: 0 W: 0

100.0/s

Last 6 Hours

Connections 0


500 max

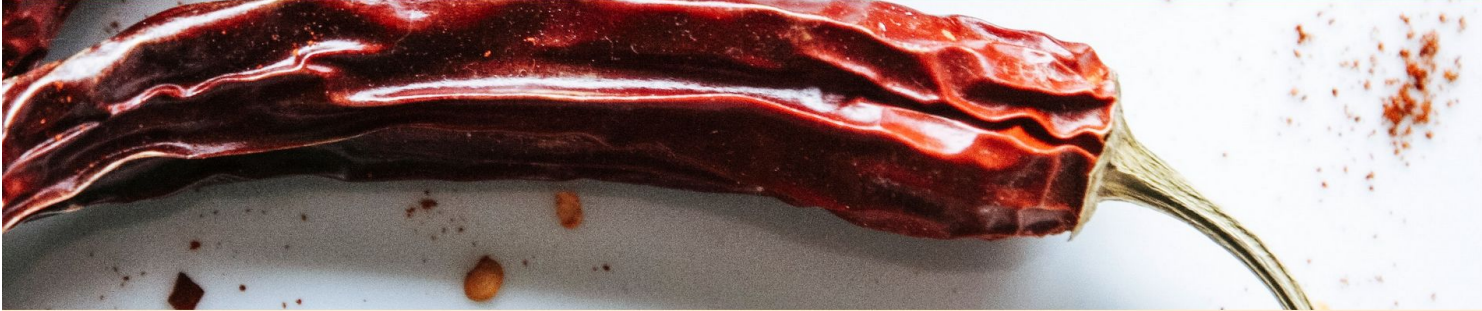
Last 6 Hours

Key Features of Spices and Recipes

Richard Palmer

Spices - Querying

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Check Out Our Spices

A-ZZ-A

Regions:

India

Turkey

Mexico

Indonesia

China

Europe

Caribbean

Spain


Mediterranean

South-America


Italy

Thailand


North-Africa




Black Pepper




Cumin




Paprika



Turmeric




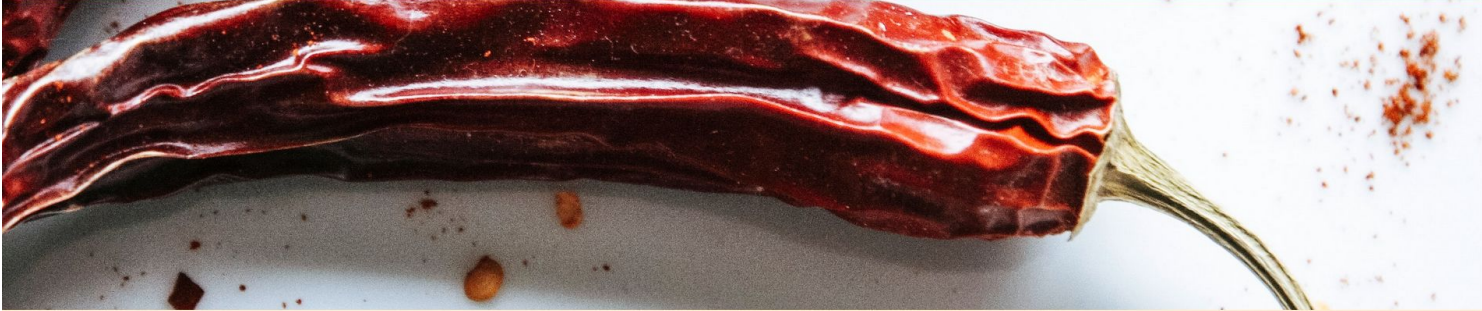
Nutmeg



Ginger

Spices - Filtering

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Check Out Our Spices

A-Z

Z-A

Regions:

India

Turkey

Mexico

Indonesia

China

Europe

Caribbean

Spain


Mediterranean

South-America


Italy

Thailand


North-Africa




Bay Leaf



Mint




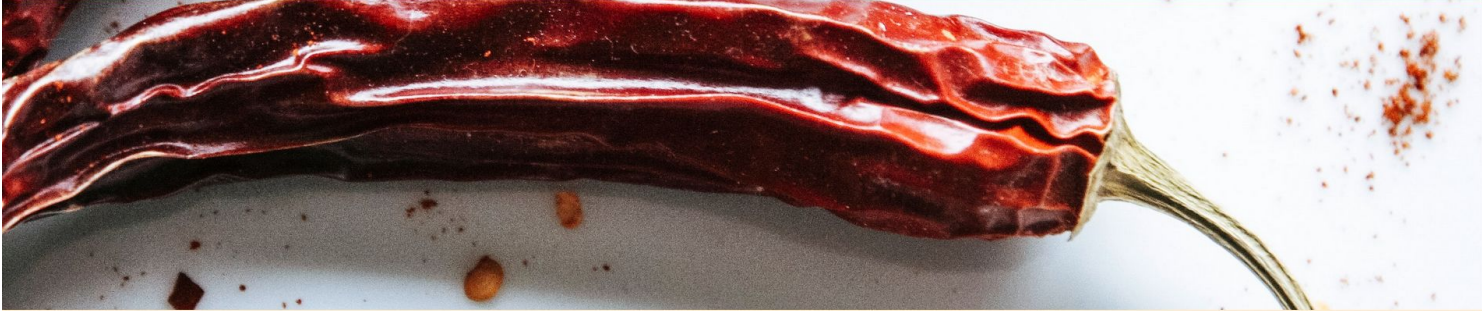
Rosemary



Sage

Spices - Searching


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Check Out Our Spices

A-ZZ-A


Regions: India Turkey Mexico Indonesia China Europe Caribbean Spain Mediterranean South-America Italy Thailand North-Africa




Black Pepper




Juniper Berries



Bay Leaf




Basil

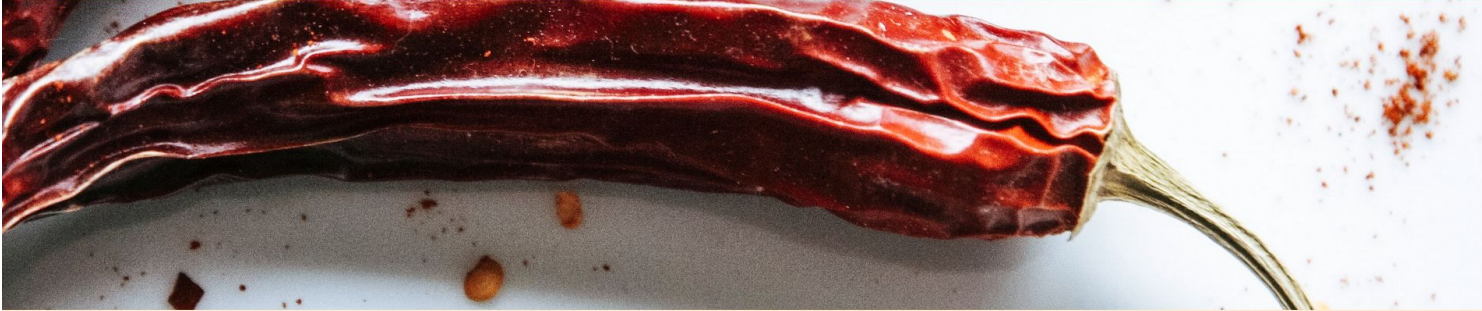


Cubeb Berries

Spices - Sorting




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Check Out Our Spices


Regions:




Basil




Bay Leaf



Black Pepper




Cubeb Berries




Juniper Berries

Recipes - Querying




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Check Out Our Recipes

A-ZZ-ACalories (L-H)Cooking Time (L-H)


Difficulty:




Pasta with salmon and peas




Spicy tomato pasta with ricotta and thyme




Spiced pork sirloin with chickpea cream and quick braised kale



Salmon and soba noodle bowl



Cheat's butter chicken pie



Chilli, pea, bacon and fetta pasta

Spices - Purchasing



Black Pepper

Black Pepper originated in India.

Black Pepper pairs well with:

- [Ginger](#)
- [Nutmeg](#)
- [Paprika](#)

Packet Sizes:

- Small: 50 Grams
- Medium: 100 Grams
- Large: 250 Grams

Price Per KG: £8.90

Quantity:

Size:

[Add To Basket](#)

Total Price: £0.45

Spices - Purchasing



Black Pepper

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Black Pepper pairs well with:

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- [Nutmeg](#)
- [Paprika](#)

Packet Sizes:

- Small: 50 Grams
- Medium: 100 Grams
- Large: 250 Grams

Price Per KG: £7.12

Quantity:

Size:

[Add To Basket](#)

Total Price: £17.80

Recipes - Favourite

[Favourite](#)[Download](#)

Pasta with salmon and peas

Make this salmon pasta in under 20 minutes for a dinner the whole family can enjoy. Kids will love the fun-shaped pasta while packing in fibre and omega-3

Serving: 4

Difficulty: 1

Prep time: 5 **Cooking time:** 15

cal	fat	saturates	sugars	salt	protein	carbs	fibre
463	19g	6g	5g	0.2g	25g	44g	7g

Ingredients

- 240g Wholewheat fusilli
- knob of butter
- 1 large shallot, finely chopped
- 140g frozen peas
- 2 skinless salmon fillets, cut into chunks
- 140g low fat creme fraiche
- 1/2 low-salt vegetable stock cube
- small bunch of chives, snipped

Method

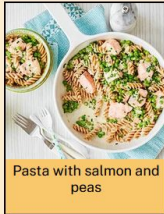
1. Bring a pan of water to the boil and cook the fusilli according to the pack instructions.
2. Meanwhile, heat a knob of butter in a saucepan, then add the shallot and cook for 5 mins or until softened.
3. Add the peas, salmon, crème fraîche and 50ml water. Crumble in the stock cube.
4. Cook for 3-4 mins until cooked through, stir in the chives and some black pepper. Then stir through to coat the pasta. Serve in bowls.

Recipes - Favourite



Your Favourite Spices

Your Favourite Recipes



Pasta with salmon and
peas

Recipes - Download

Pasta with Salmon and Peas



Make this salmon pasta in under 20 minutes for a dinner the whole family can enjoy. Kids will love the fun-shaped pasta while packing in fibre and omega-3

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Recipes - Download



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Password:

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Become a Member for Free Today!

And gain access to:

- The ability to favourite spices & recipes
- Seamless checkout

Join Premium!

And on top of all that, gain access to :

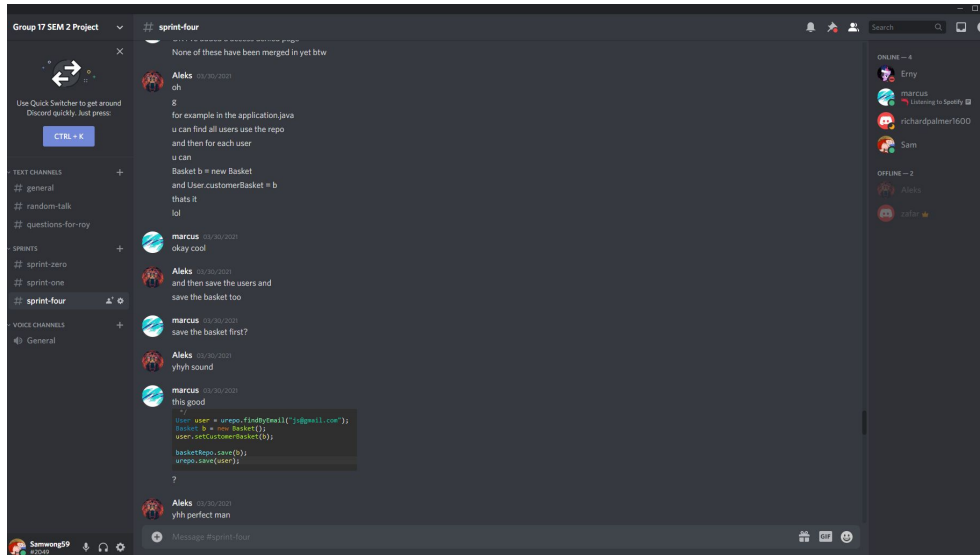
- Premium-only deals
- Downloadable Recipe PDFs
- Ability to switch between measurement units

Form and Effectiveness of Communication

Samuel Wong

Forms of Communication

- Due to pandemic, communication limited to purely online interaction.
- Team utilised a Discord group chat / server to communicate - Lots of useful features (Text messaging, voice calls, screen sharing)



Effective Communication

- Thorough preparation for client meetings as well as full post meeting discussions - Present and participating members, all key topics touched upon
- Convenient communication - Team members available to help or clarify
- Direct feedback with each other - Helped to improve our processes as we went along

What Could Have Been Improved

- More clarity could have been provided as to what each group member was doing or working on - should have consistently performed Stand-ups
- More structured and focused discussions during team meetings - Try to not let conversations derail, Scrum master should direct conversations to avoid this

Something non-technical that you learned
during the project

Ernestas Dainys

Working as a team - Teamwork

- It leads to improved design and more features
- Builds trust

Communication

- It is important to be on the same page.
- Communication is crucial when team divide a tasks to every member
- My opinion

Ethical Issues



**WEBSITE
COOKIES**

Possibilities of bad cookies which can gather information about users.



Privacy and how secure user data is stored.

Social Issues



Less frequent person to person interaction with local stores.

Damaging business of local stores.

Legal Issues

Terms and Conditions are crucial for helping the customers understand their rights and what can happen in a given situation.

Selling products without customers being able to acknowledge the quality before purchase



The Future for Spices-R-Us

Marcus Torzewski

What didn't we get done?

- Large amounts of the project were completed as requests.
- Specifically all the features needed for an initial rollout.
- Most features that didn't make it into the website, can still be implemented after rollout, without major redesigns.
- An example is the Forum, which would be a very separate part of the site.

Comments on discussion forum 0 of 4 tasks completed

#11 · created 3 months ago by S J Wong ⌚ Sprint 4 👤 8

Discussion forum posts 0 of 4 tasks completed

#10 · created 3 months ago by S J Wong ⌚ Sprint 4 👤 8

Short-term (Important Fixes)

- The most important fixes revolve around easier to use interfaces and greater user freedom
- Admin-side front-end is the most immediate issue we see (e.g. server maintenance). Current methods leave database and site open to accidental damage.
- Additional user account controls (e.g. change of address).

In the Future (New Features)

- The clearest new feature is the Forum which was not implemented due to time constraints. Luckily this is something that doesn't have many repercussions for the rest of the site.
- Other smaller features that could be added include expanding the financial review side of the site and additional content for premium users.
- More fundamentally: a user feedback system.
- Then that can be a springboard for what features to include down the road (i.e. the most pressing ones and what users need most).