

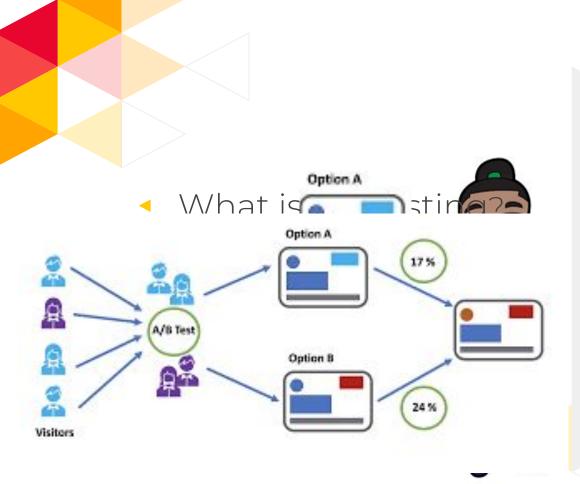
Brought To You By...











AB Testing







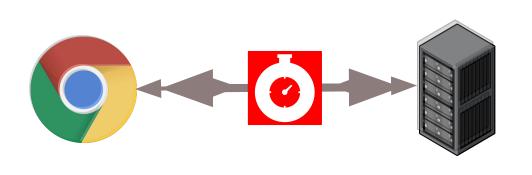
- Server-side Frameworks
- Client-side Frameworks
- Varying UI/Configuration
- Varying Privacy/Security







Current Approaches

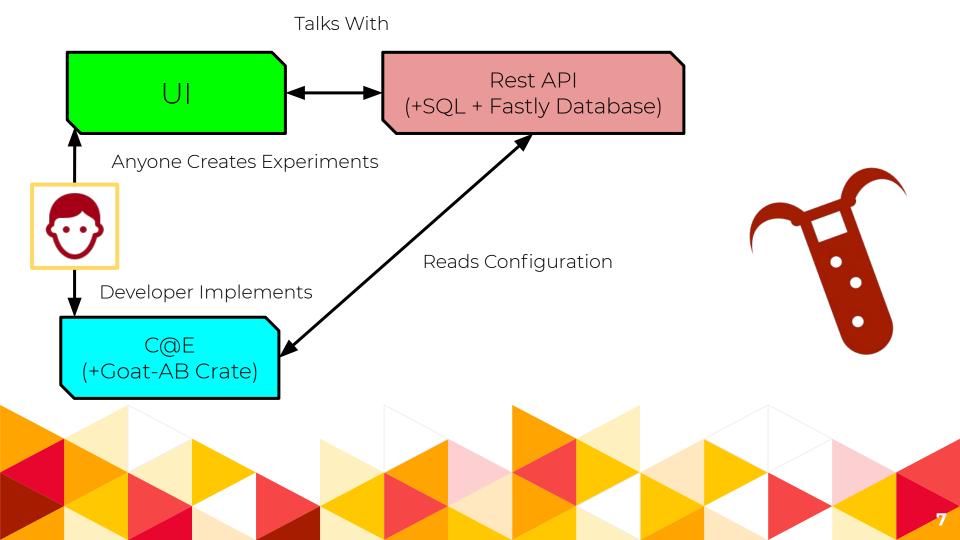


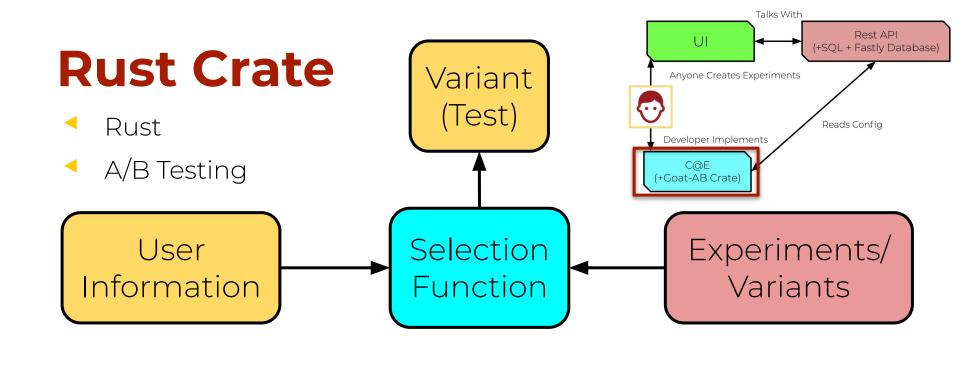
Stieveta@idte Problems

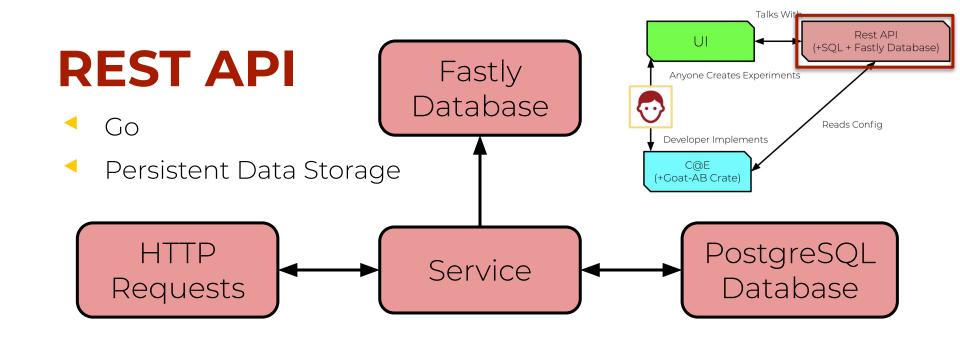


- Utilize Edge + Serverless
- Give Fastly a Competitive Edge
- Contribute to Open Source!

Platform Goals

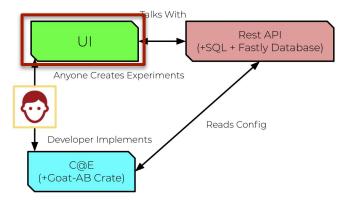


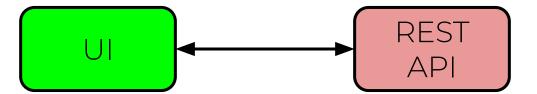


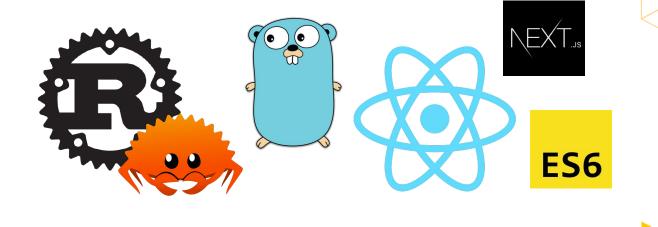


UI

React with Next.js



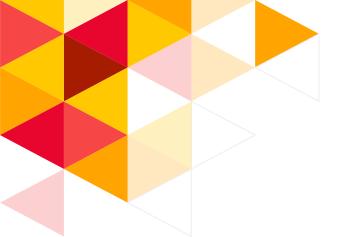




Project Challenges







UI Demo











Integration





Cat3

Cat4

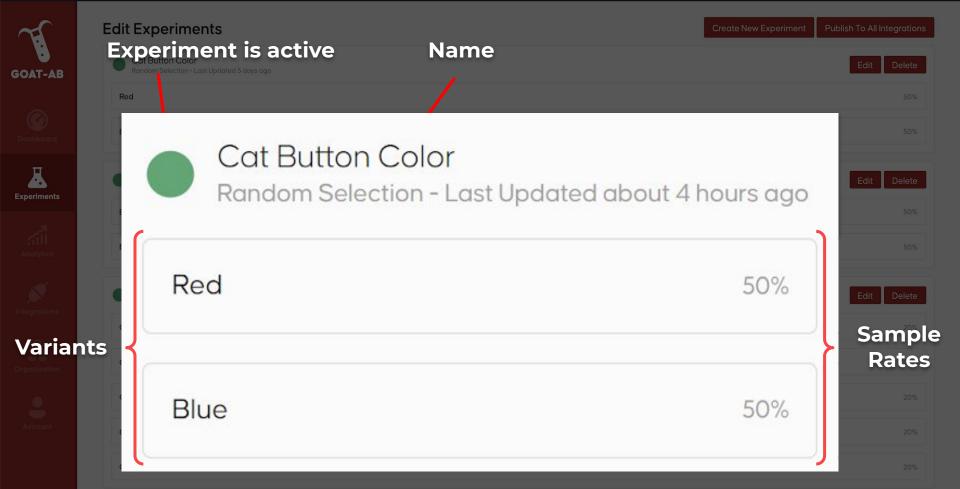
Cat5

Edit Experiments Create New Experiment Publish To All Integrations Cat Button Color Delete Random Selection - Last Updated about 4 hours ago Red 50% Blue 50% Cat Text Delete Random Selection - Last Updated 5 days ago **Buy Today** 50% **Buy Tomorrow** 50% Delete Random Selection - Last Updated 6 days ago Cat1 20% Cat2 20%

20%

20%

20%



















Create Experiment

Cancel Create Experiment

Create and Exit

Experiment Name

Give your experiment a memorable name that appears on this dashboard

Homepage Call To Action Title

Selection Function

This decides the built-in function your experiment will use to select a variant for a user. You may override this in your codebase.

Random Selection



Is Active

This determines if a variant should be selected for this experiment. If disabled, this experiment will not be published to integrations.

Variants

These are the different variations of your experiment.

Add Variant



Create your First Variant

Use the "Add Variant" to add the first option this experiment can choose!

















Create Experiment

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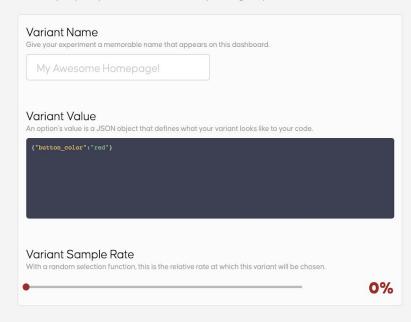


Create your First Variant

Use the "Add Variant" to add the first option this experiment carchoose!

Add Variant

Create an option your experiment can choose from when performing an experiment.

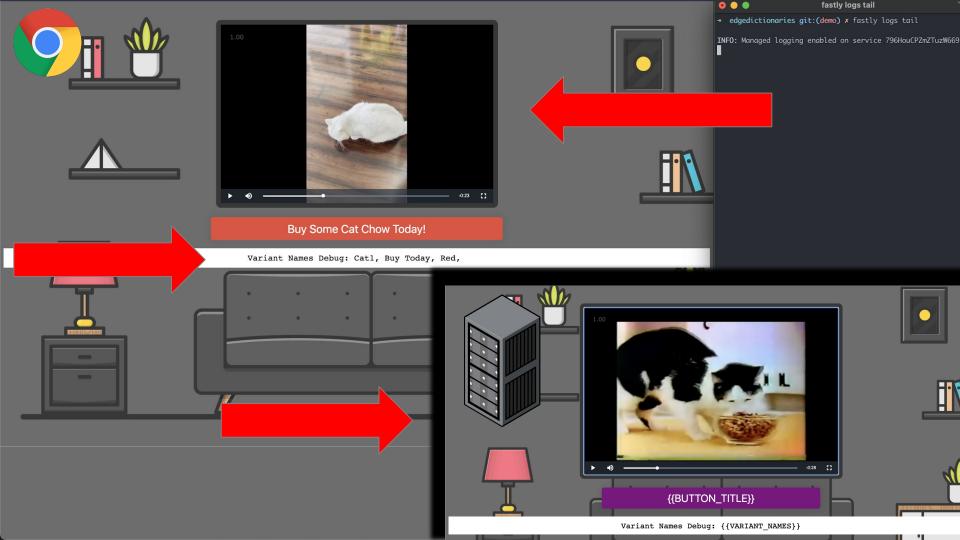


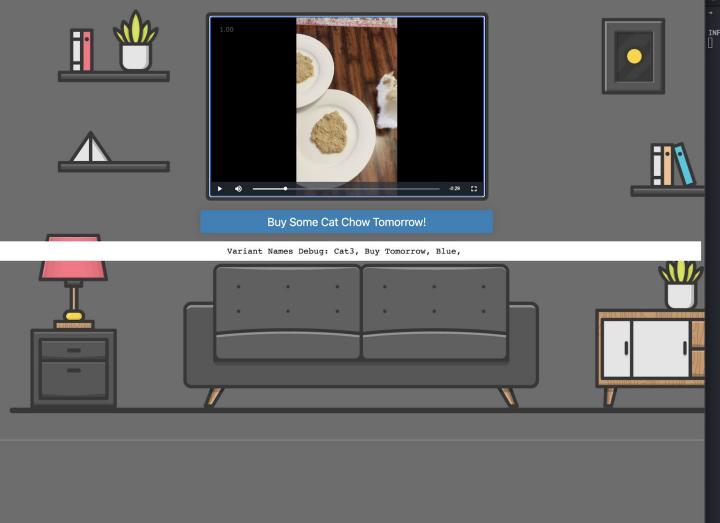
Cancel

Save Variant

Example Demo

Special thanks to Jim Rainville for his video splicing demo!





astly logs tail

→ edgedictionaries git:(demo) x fastly logs tail

INFO: Managed logging enabled on service 796HouCPZmZTuzW66

→ edgedictionaries git:(demo) x fastly logs tail Thanks for buying some cat food! Variants logged: Cat3, Buy Tomorrow, Blue, INFO: Managed logging enabled on service 796HouCPZmZTuzW669LA stdout | f15126bf | Variants Received! The user clicked the b on with the following variants enabled:



How do I use it? Where is it?

- Private GitHub Repo
- Components Usable with Any Company*

^{*}Currently Edge Dictionary is the only Rest API integration, but that can change with open-source contributions!



- Authentication/Teams
- ▼ Full Analytics Suite + Dashboards
- Other Integrations



Acknowledgments

Salman's cats - @kittyandthebrain Salman and Patrick (Awesome Mentors!!) Prof. Mark Claypool (WPI Advisor) Peter Bourgon (Code Reviews!) Patrick McManus, Jim Rainville, Katie Martin, Tyler McMullen, Adam Denenberg, James White

Thank You For Coming! Questions?

Demo Links

- Example URL: https://solely-endless-glider.edgecompute.app/
- Origin for comparison: http://155.138.165.216/

Extra Slides



Best Practices

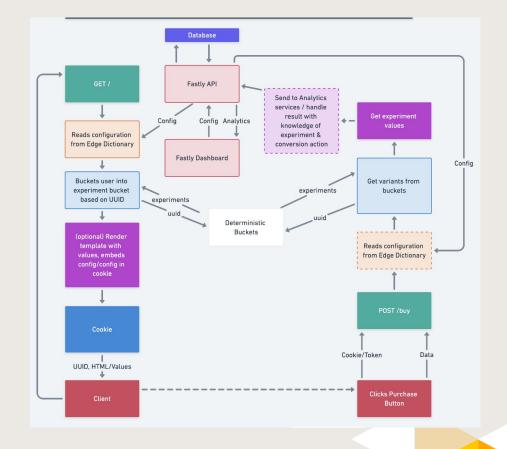
- Go Dependency Injection
- React Component Breakdown
- Rust Generic
 Traits

Gotchas

- BorrowCheckers &Ownership
- Closures with Generics



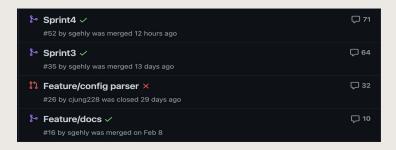
How to Work with Serverless Platforms

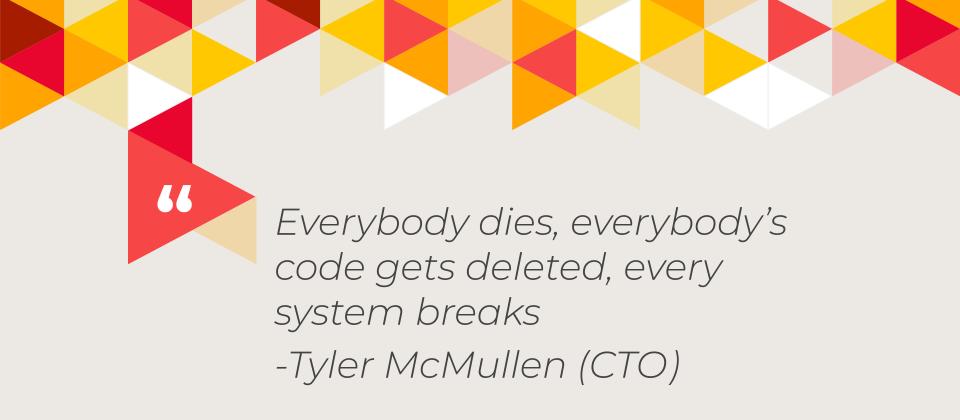


Working Around Time and Capability Constraints



How to Quickly Become Productive in a New Language and Iterate Quickly (Detailed PRs!)





How to deal with attachment issues



Cross Origin Resource Sharing

blocked by CORS policy: Response to preflight request doesn't pass access control check: No 'Access-Control-Allow-Origin' header is present on the requested resource.

Fastly & AB Testing

