
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

BOA305-R

A deployment is not a release: Control your launches with feature flags

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vs.

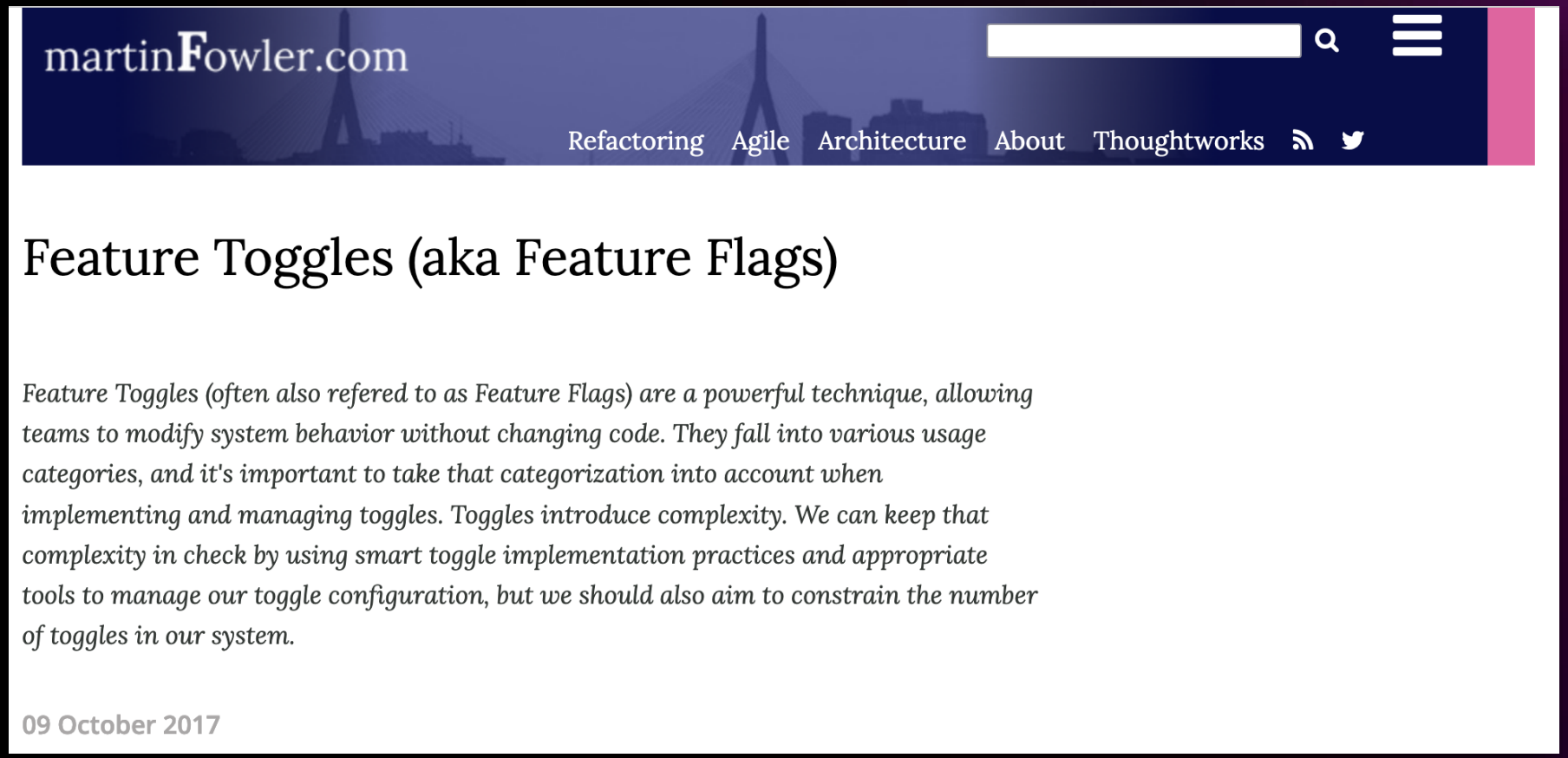


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decoupling **deployment**

from **release**

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Pete Hodgson, Martin Fowler

https://martinfowler.com/articles/feature-toggles.html

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Release

Ops

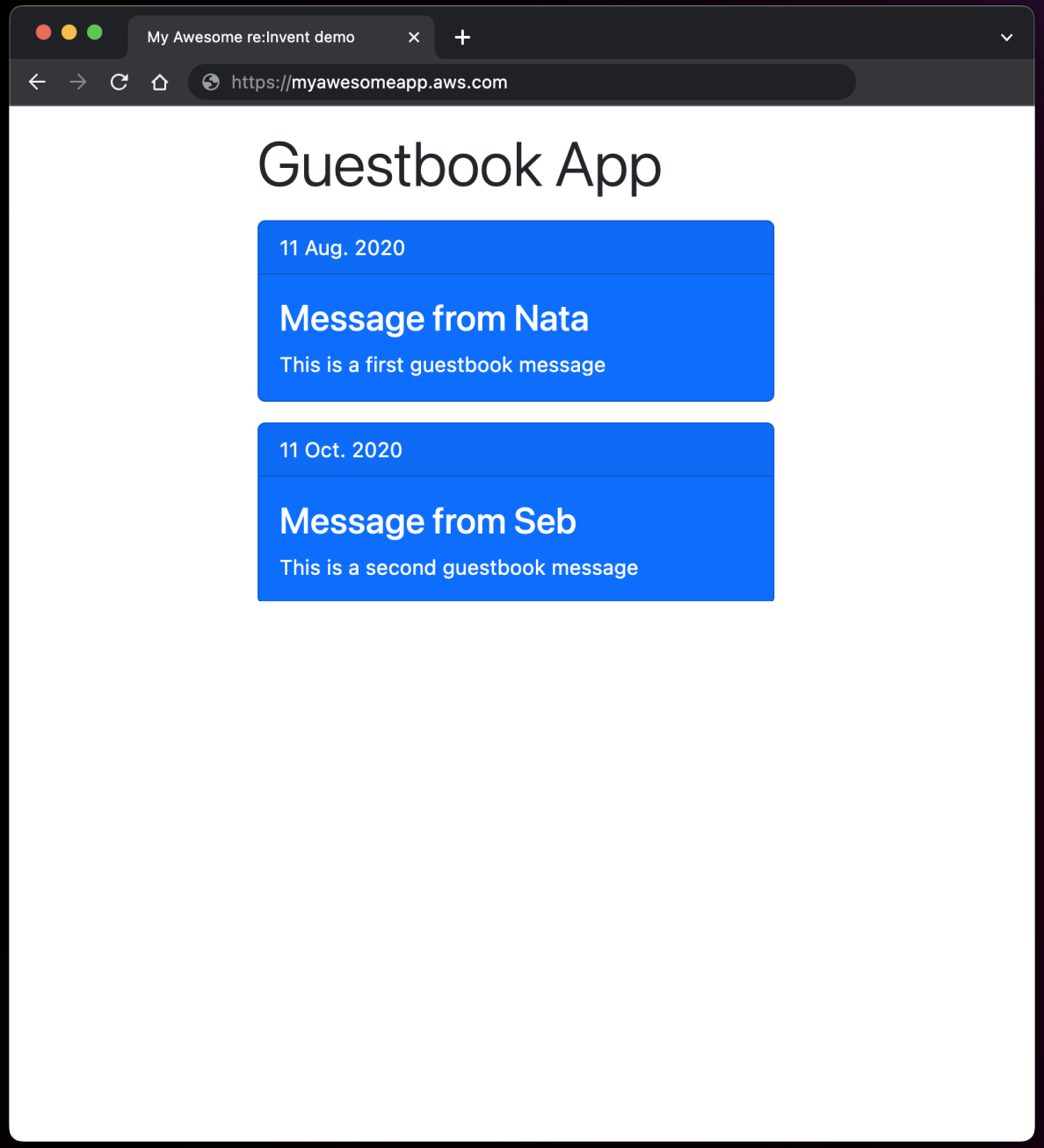
Experiments

Permissions

Launch control

Canary

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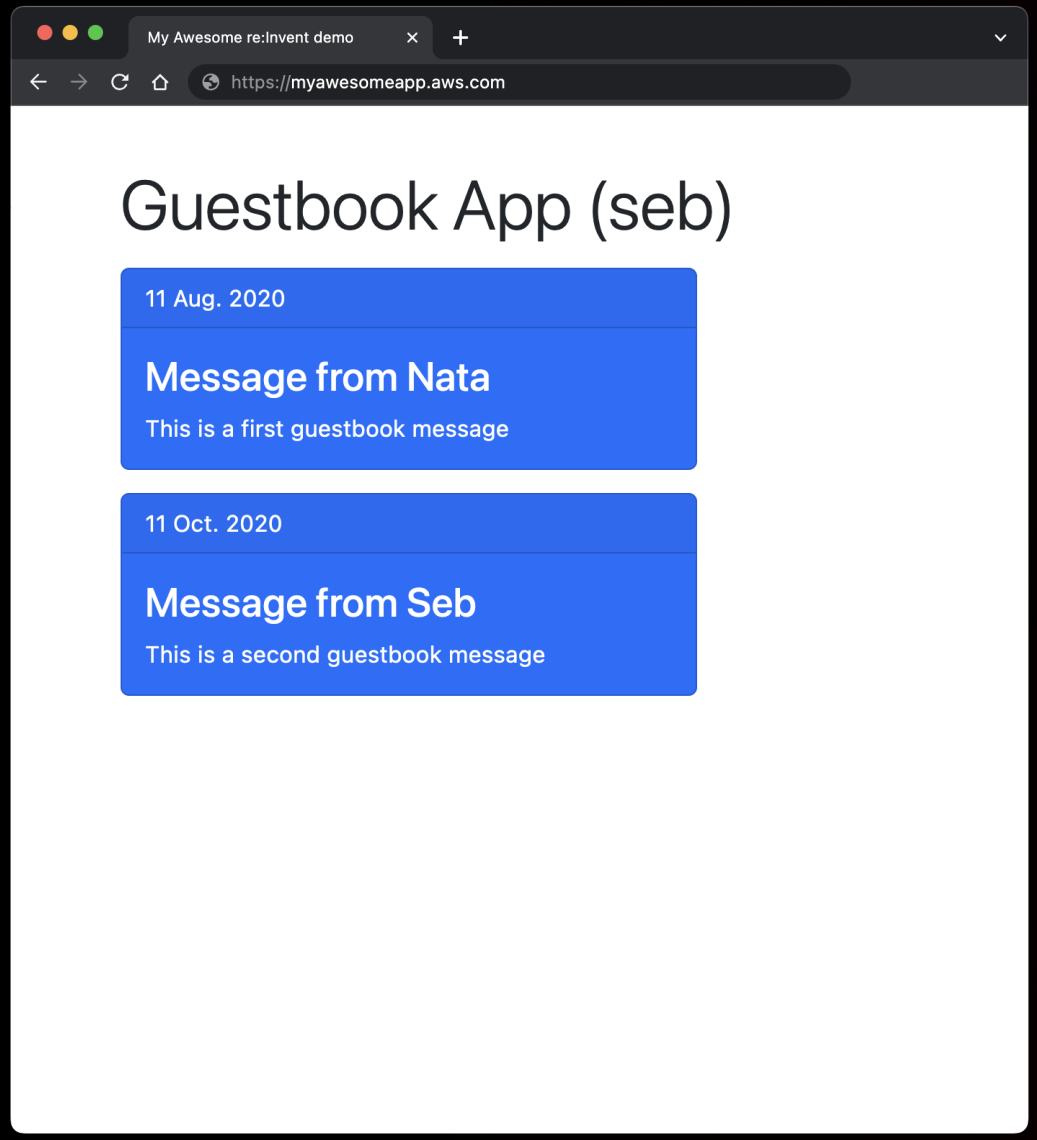
WEBLAB



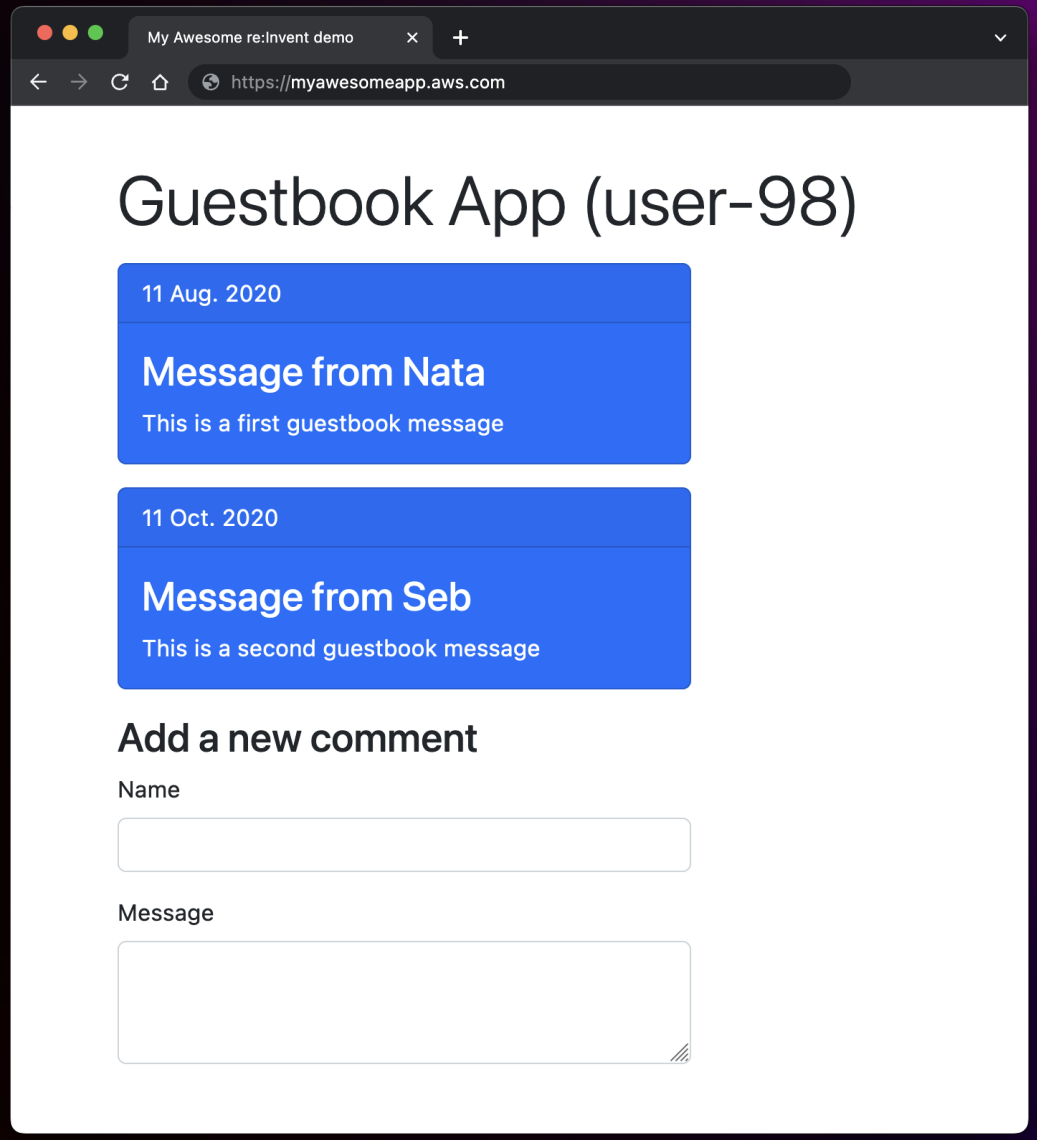
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Feature flag implementation

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Feature flag OFF



Feature flag ON

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```
if ( await isFeatureActivated(entityId, 'EditableGuestbook') ) {
    console.log('Feature Flag is on, showing guest book');
    $('div#guestbook-add').show();
} else {
    console.log('Feature Flag is off, hiding guest book');
    $('div#guestbook-add').hide();
}
```

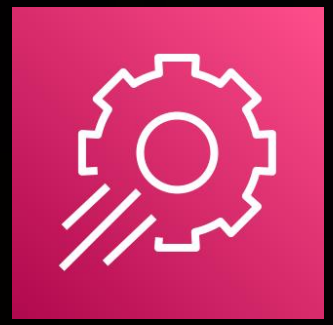
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	Configuration	API call
	Low latency Simplicity	Flexibility Monitoring
	Updates Dynamic	Higher latency Resiliency

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Config file



AWS AppConfig

Server-side service



Amazon CloudWatch Evidently

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Evidently client-side evaluation

FOR AWS LAMBDA FUNCTIONS

API-driven for dynamic calls



Packaged as an
AWS Lambda layer

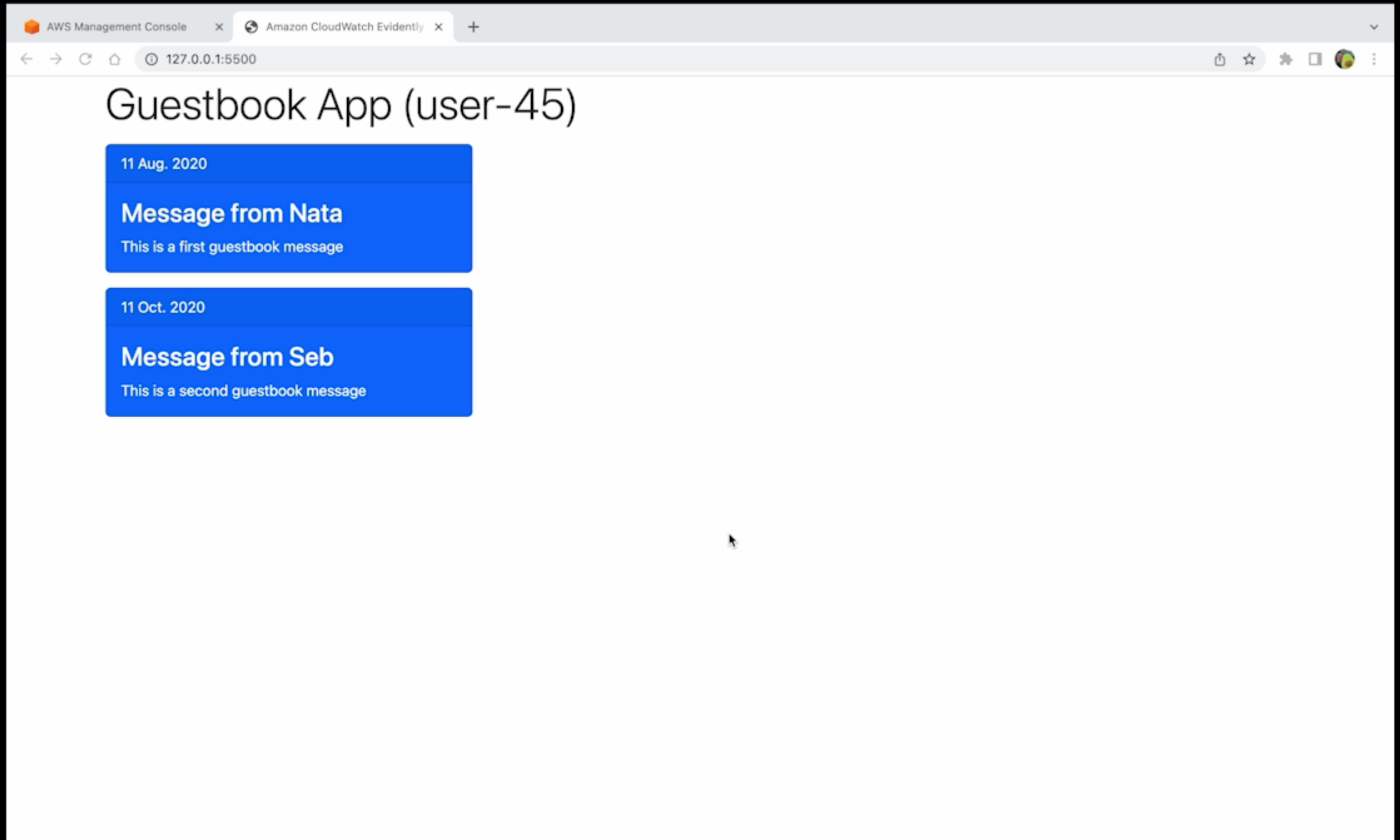
Local evaluations for low latency

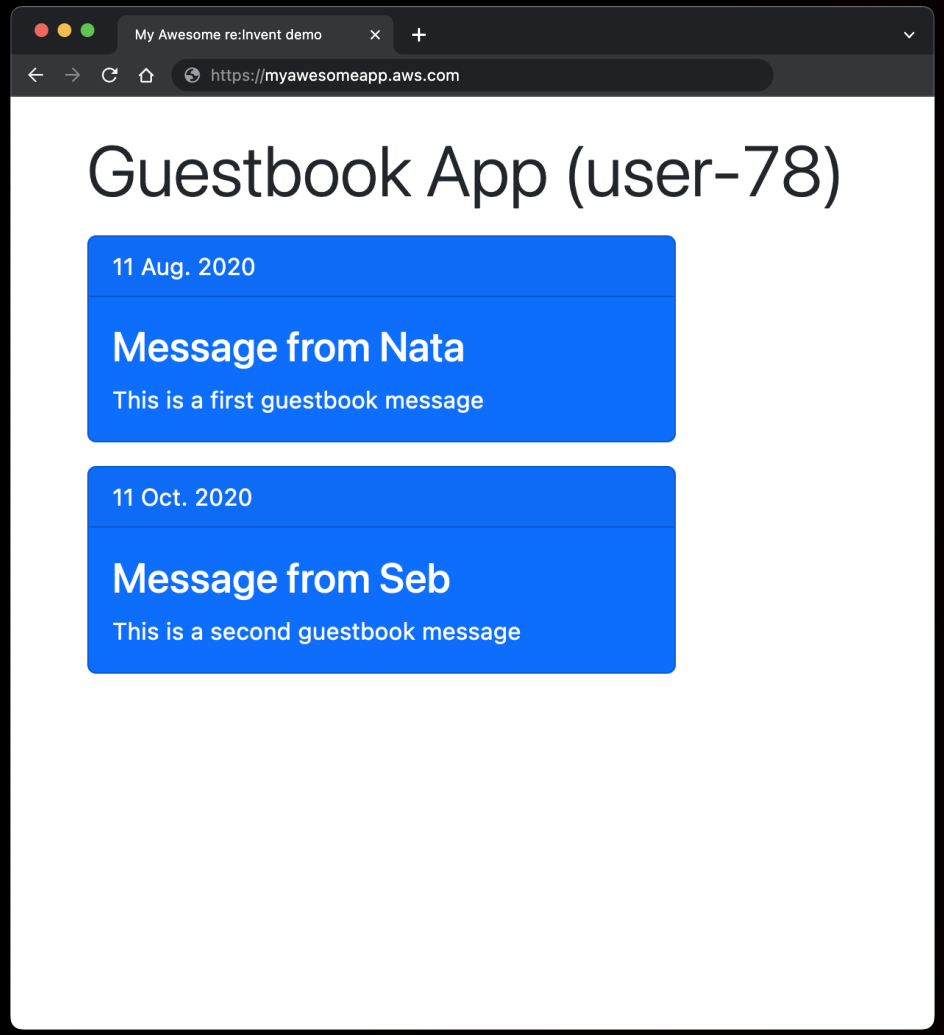


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AWS Management Console
Amazon CloudWatch Evidently
127.0.0.1:5500
Guestbook App (user-45)
11 Aug. 2020
Message from Nata
This is a first guestbook message
11 Oct. 2020
Message from Seb
This is a second guestbook message



https://sebsto.github.io/evidently-demo/

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Considerations

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Latency

Testing

Observability

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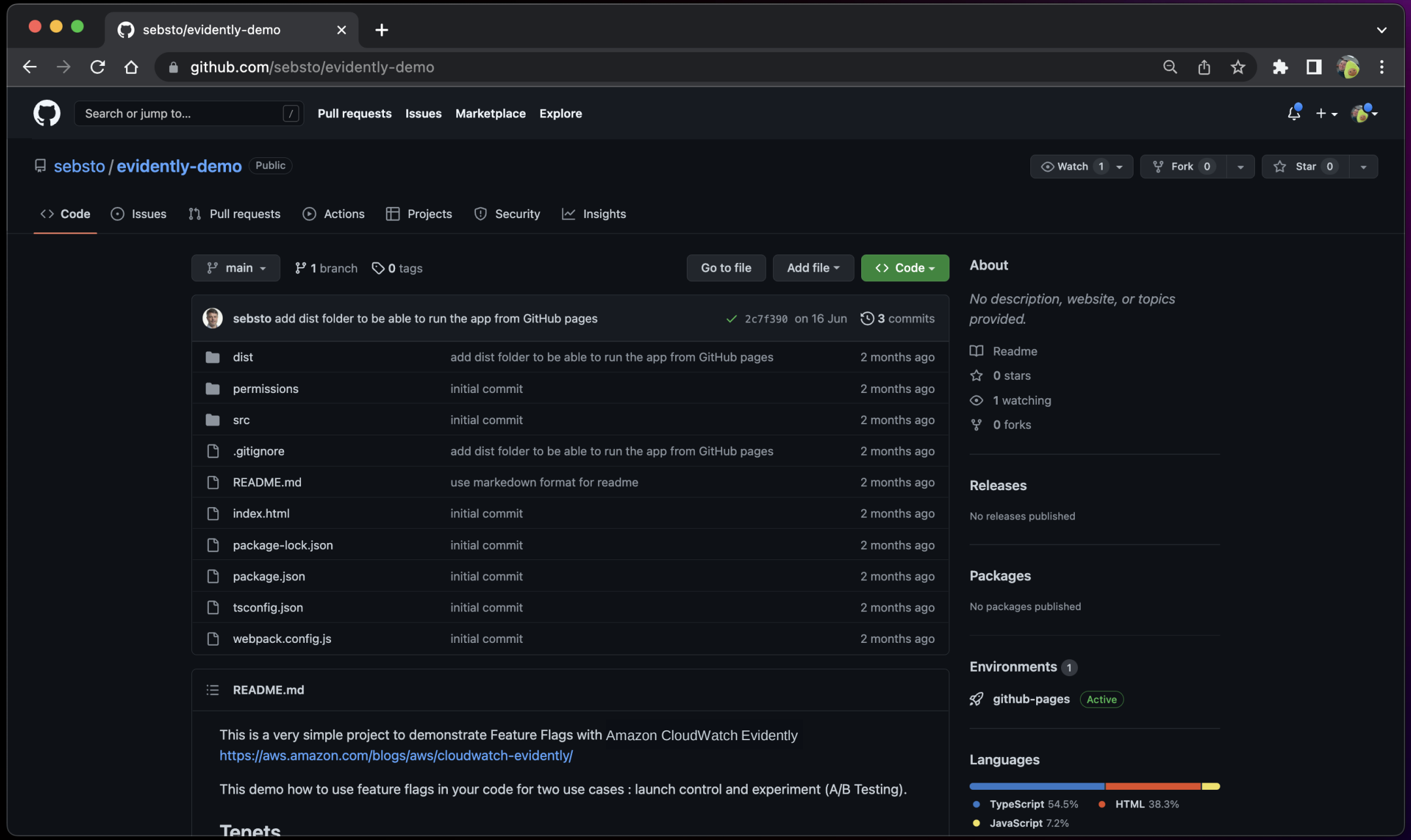
100% dialed up?

Automated reminder of code cleanup

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Code sample

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AWS SDK for JavaScript v3

TypeScript

Plain JavaScript

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Thank you!

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Please complete the session survey in the **mobile app**

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