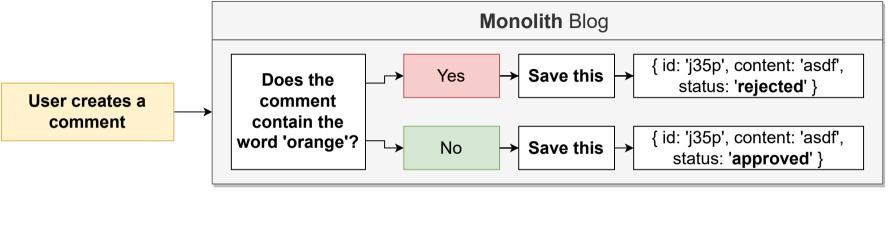
Finding Issues Consider every combination of

services being up and down.
What happens?

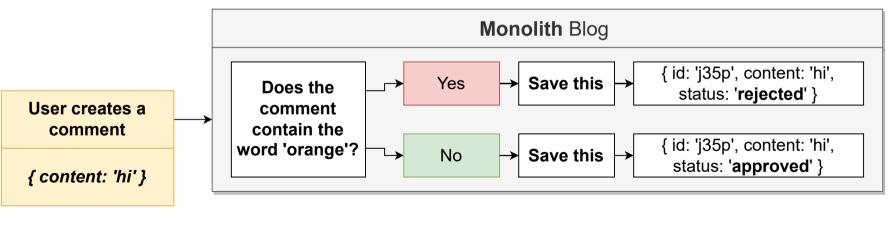
Consider events being emitted out of order. What happens?

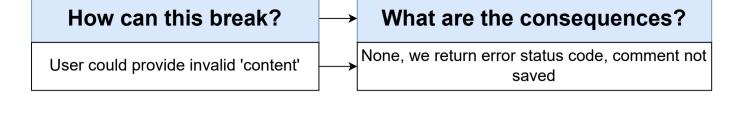
Consider even a bit of lag in sending/receiving events. What happens?

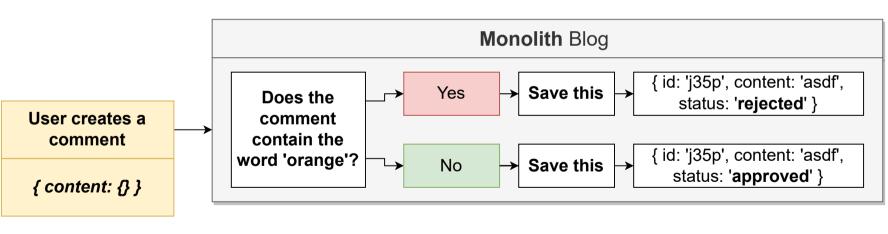


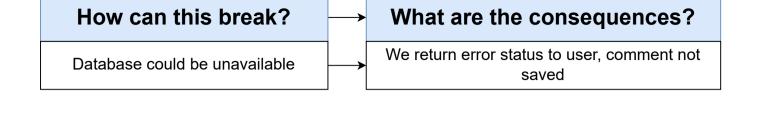
How can this break?

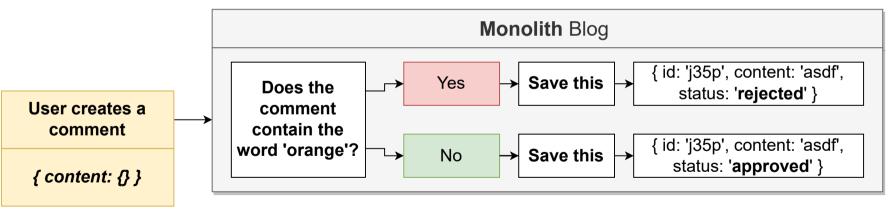
ak? → What are the consequences?

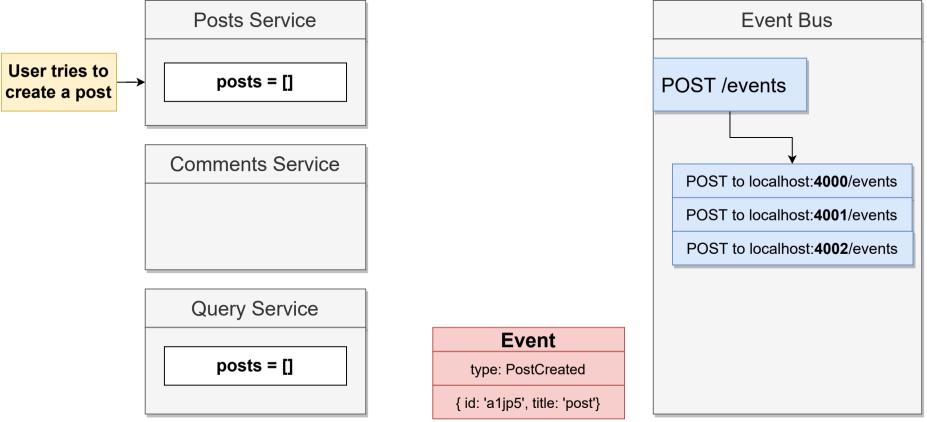


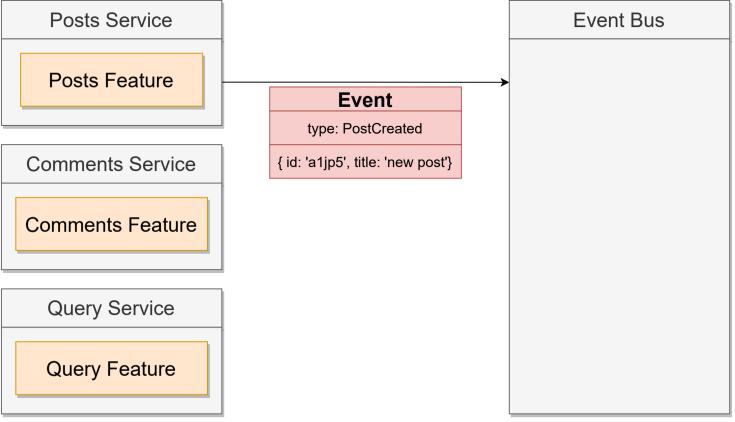












Event Bus

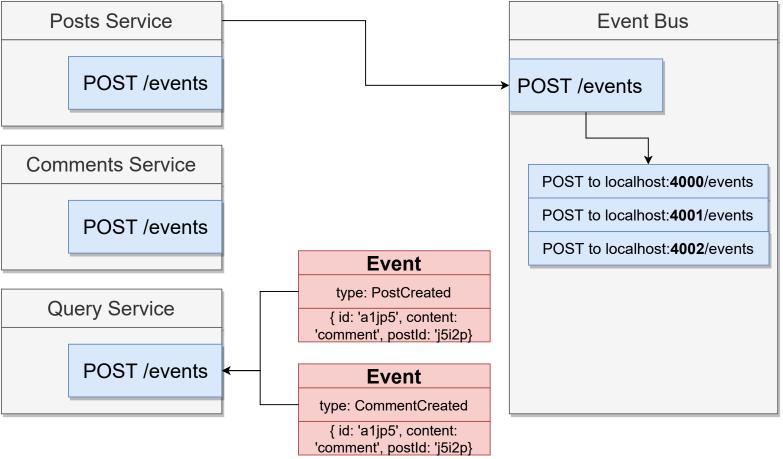
Receives events, publishes them to listeners

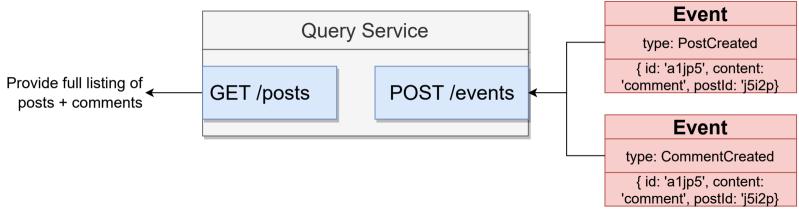
Many different implementations. RabbitMQ, Kafka, NATS...

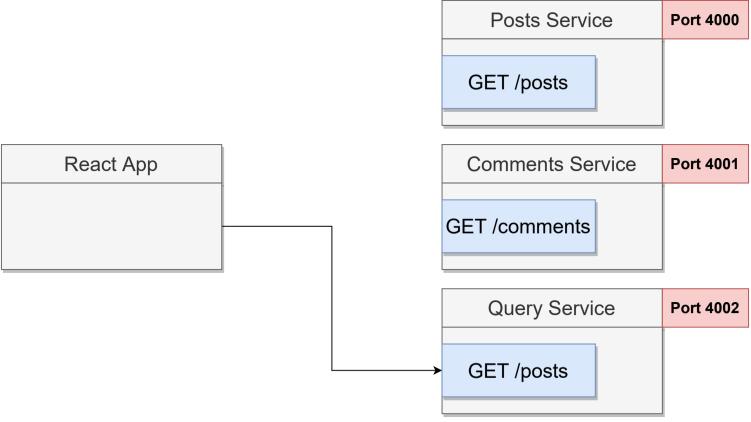
We are going to build our own event bus using Express. It will not implement the vast majority of features a normal bus has.

Many different subtle features that make async communication way easier or

Yes, for our next app we will use a production grade, open source event bus







Add in comment moderation. Flag comments that contain the word 'orange'.

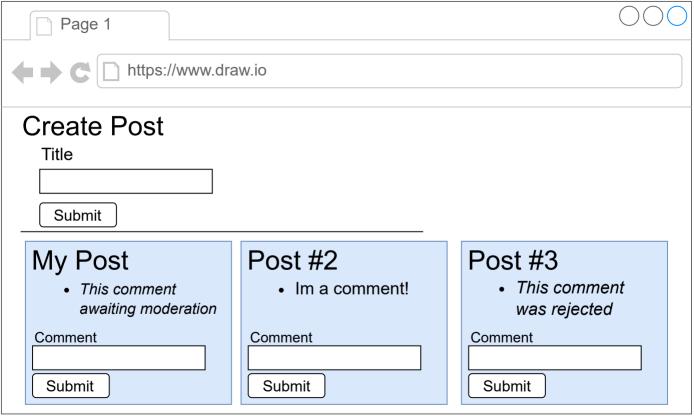
Feature Request

Feature Clarifications

Super easy to implement in the React app, but not if the filter list changes frequently

Super easy to implement in the existing comments service, but let's assume we want to add a new service

It might take a long time for the new service to moderate a comment.

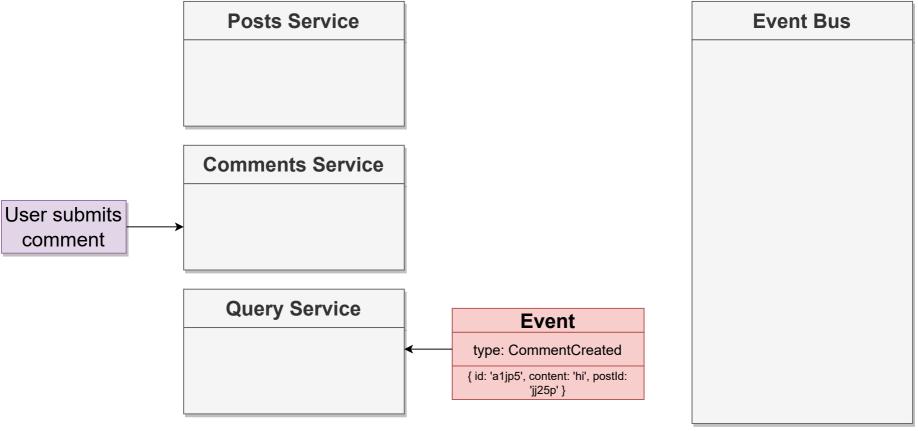


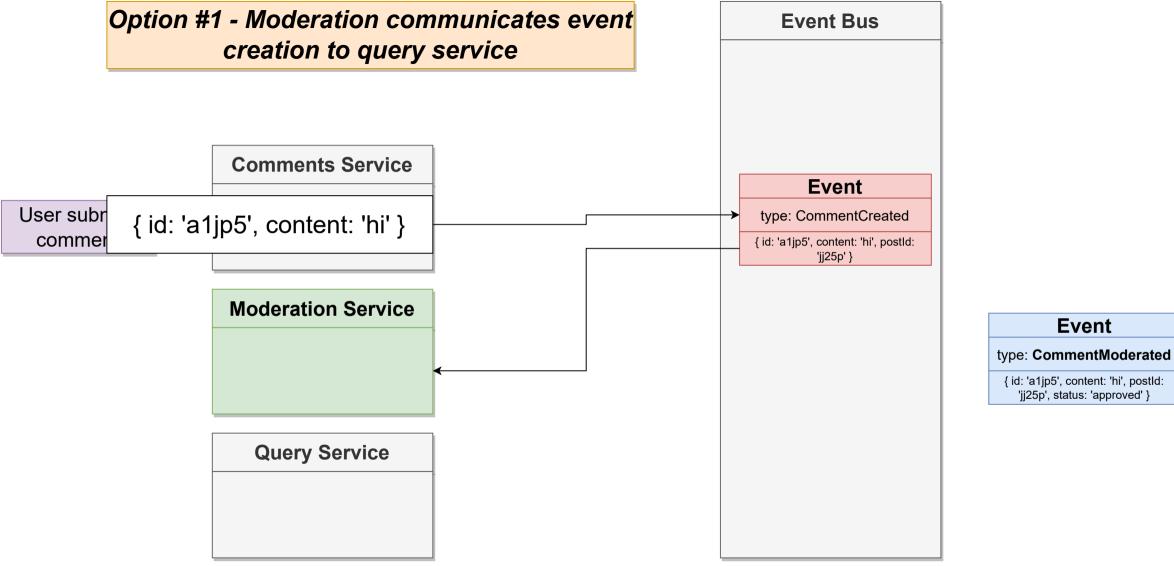
The React app needs to tell the difference between a comment that is pending moderation, rejected, or approved

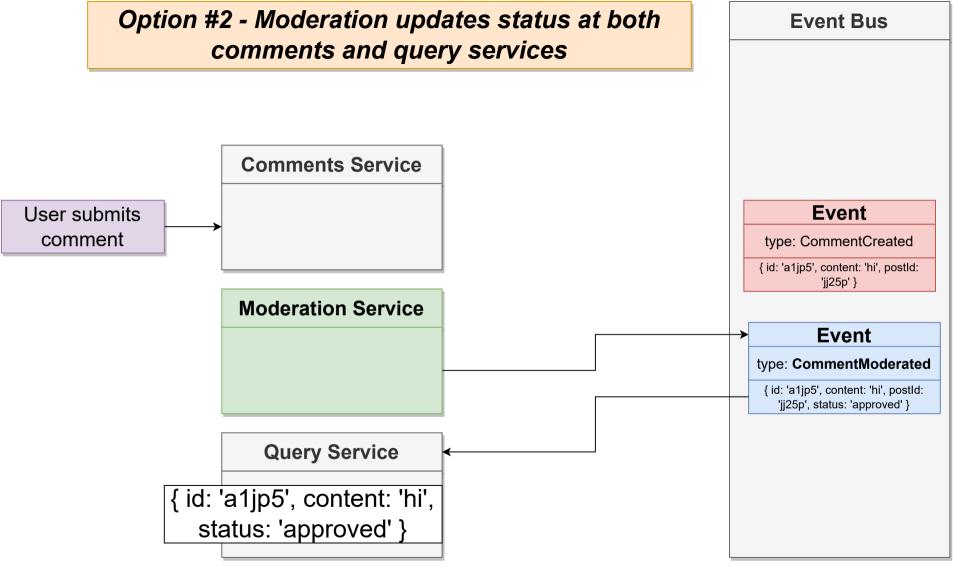
status

'approved' | 'rejected' | 'pending

	approved				
				_	
Comment				Comment	
name	type		name	type	
id	string		id	string	
content	string		content	string	







It is joining two resources right now (posts and comments), but it might join 10! Does it make sense for a presentation service to

understand how to process a very precise

update?

The query service is about presentation logic

Event Means 'update status type: CommentModerated to approved'

{ id: 'a1jp5', content: 'hi', postId: 'jj25p', status: 'approved' }



type: CommentModerated

type: CommentUpvoted

type: CommentPromoted

type: CommentAnonymized

type: CommentSearchable
type: CommentAdvertised

