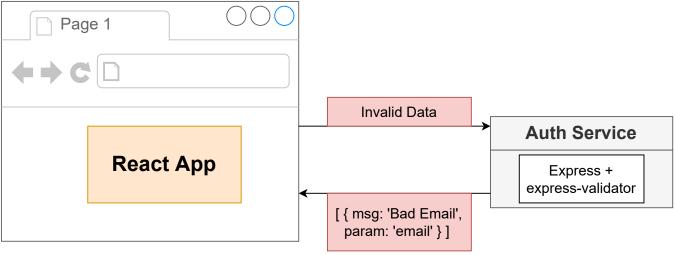
auth			
Route	Method	Body	Purpose
/api/users/signup	POST	{ email: string, password: string }	Sign up for an account
/api/users/signin	POST	{ email: string, password: string }	Sign in to an existing account
/api/users/signout	POST	8	Sign out

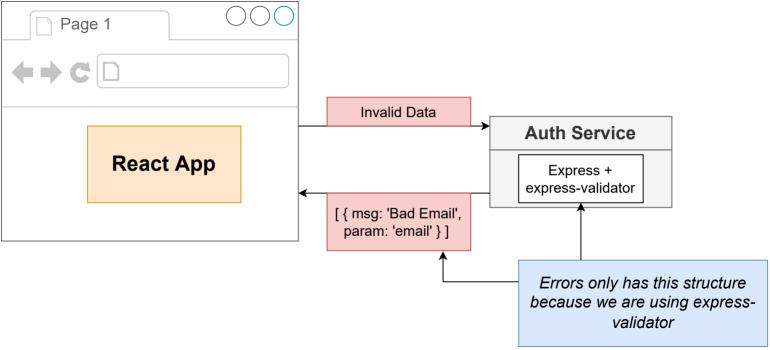
GET

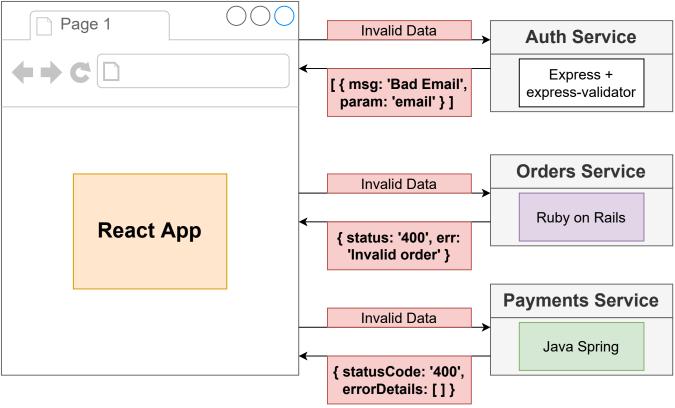
/api/users/currentuser

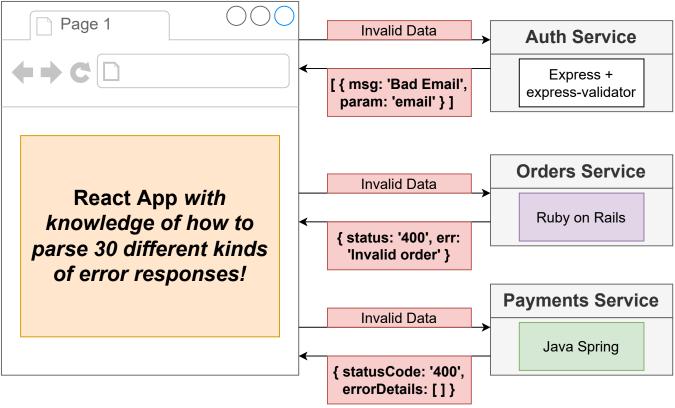
Return info about the

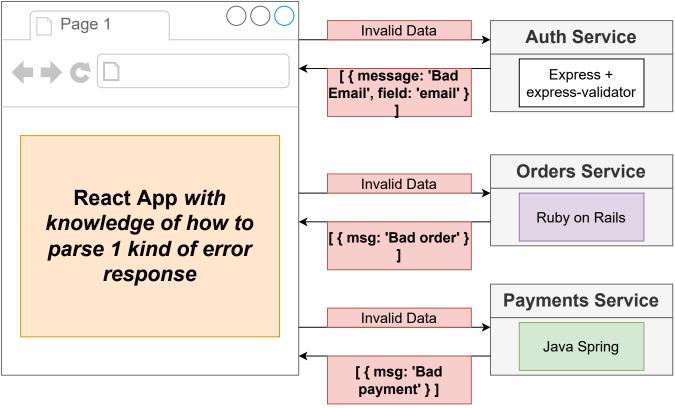
user

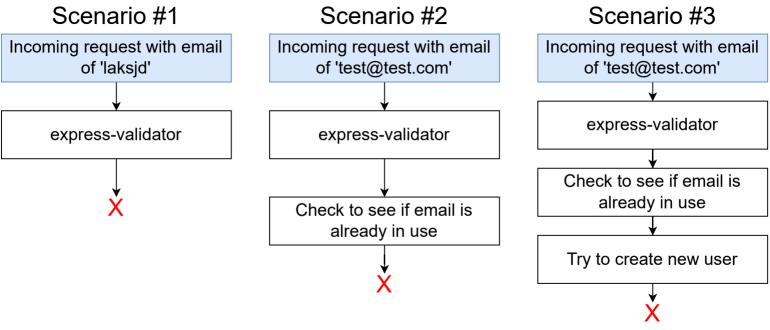


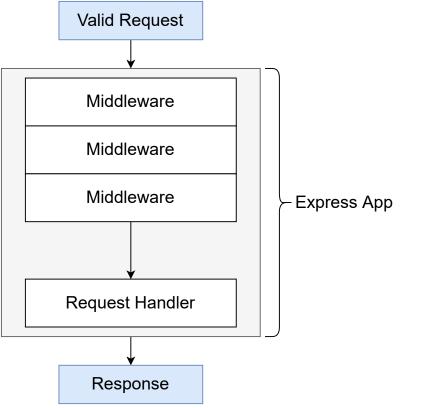


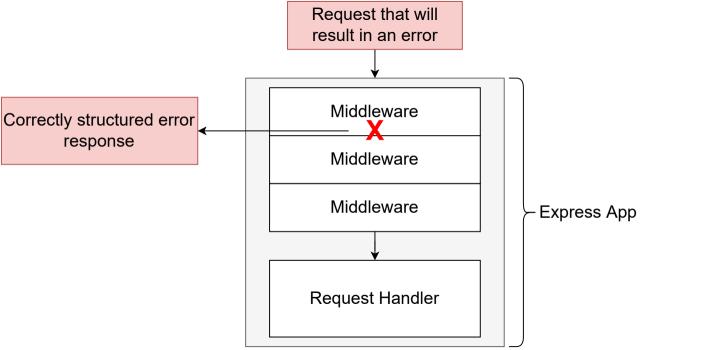










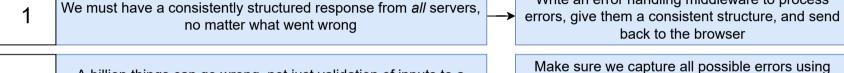


Difficulty in Error Handling

We must have a consistently structured response from *all* servers, no matter what went wrong

A billion things can go wrong, not just validation of inputs to a request handler. Each of these need to be handled consistently

Difficulty in Error Handling



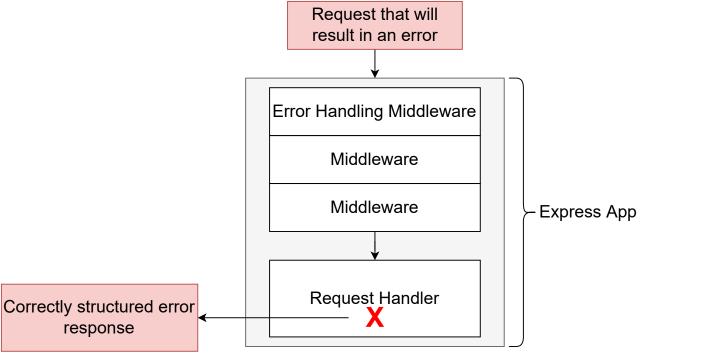
Write an error handling middleware to process

Express's error handling mechanism (call the 'next'

function!)

A billion things can go wrong, not just validation of inputs to a request handler. Each of these need to be handled consistently We need to have an easy-to-use system for handling *any kind of error* and sending an identically-structured response

Unfortunately, Express's default error handling system makes this kind of hard, mostly because of async-await



Error Handling Strategy

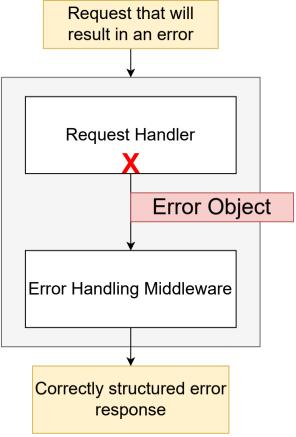
Install a little library that allows Express to catch errors in async code

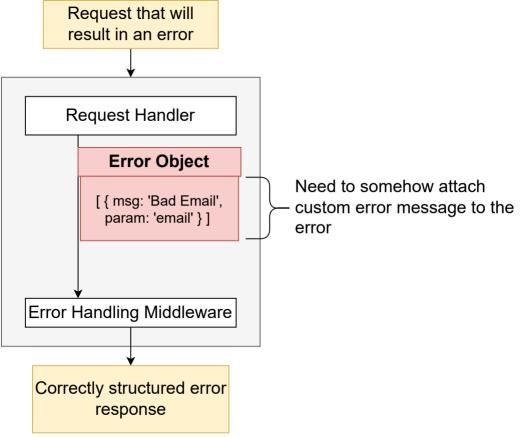
Create a middleware that will interpret errors of any type, then turn the error into an identically-structured response

Create some errors to handle many different kinds of things going wrong in our app

Confused with where I'm going with all this error handling stuff?

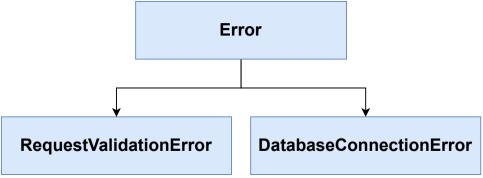
Please give me a bit of patience, at the end of this you are going to have one of the best error handling systems in the world of express

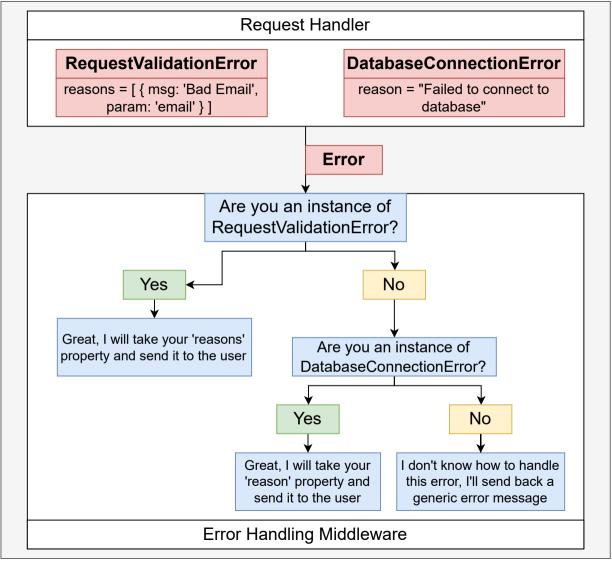


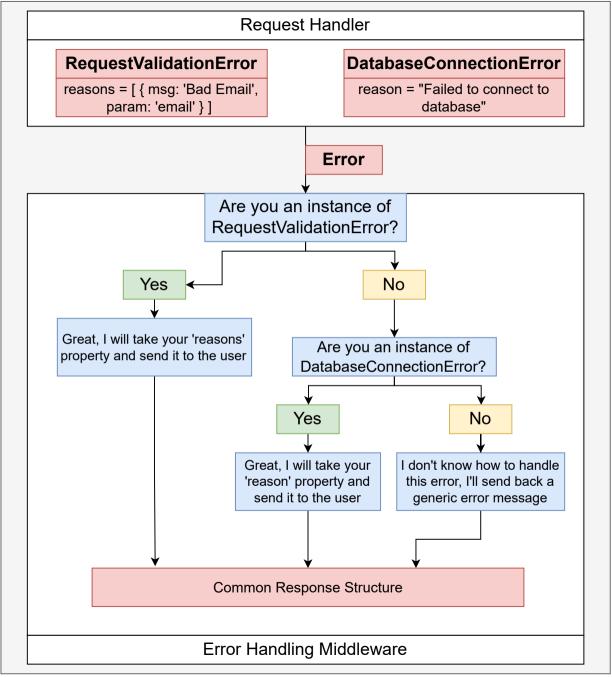


We want an object like an 'Error', but we want to add in some more custom properties to it

Usually a sign you want to subclass something!

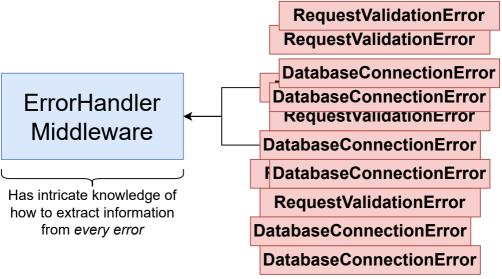


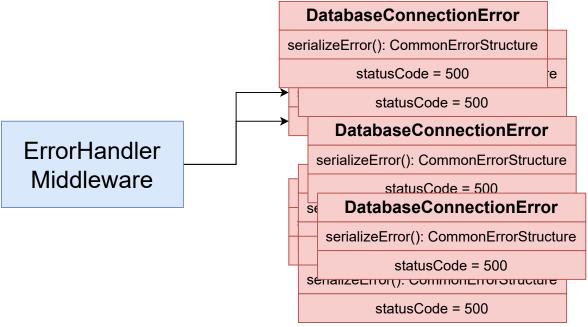


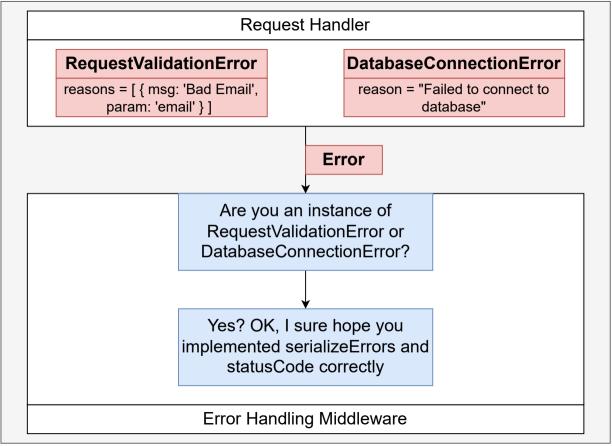


Common Response Structure errors: { message: string, field?: string }[]

All error responses that we send out from any server should have this structure







Sure would be nice if we could get TS to double check that these things are implemented correctly!

RequestValidationError

serializeErrors(): {}[]

DatabaseConnectionError statusCode = 500

serializeErrors(): {}[]

statusCode = 400

