

**mojolicious**



**SWAGGER**

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# What is Mojolicious?

**web development can be fun again.**



# What is Swagger?

The image shows a side-by-side comparison of a Swagger API specification and its rendered UI. On the left is a code editor with a dark theme, displaying a YAML file for the 'Uber API'. The file includes metadata like title, description, version, and host, as well as a 'products' endpoint with detailed parameters and tags. On the right is the Swagger UI, which provides a user-friendly view of the same information. It features a title 'Uber API', a description, a version number, and a list of tags ('Products', 'Estimates', 'User'). The 'Products' tag is selected, and the '/products' endpoint is highlighted, showing its 'GET' method, summary, and description.

```
1 # this is an example of the Uber API
2 # as a demonstration of an API spec in YAML
3 swagger: '2.0'
4 info:
5   title: Uber API
6   description: Move your app forward with the Uber API
7   version: "1.0.0"
8 # the domain of the service
9 host: api.uber.com
10 # array of all schemes that your API supports
11 schemes:
12   - https
13 # will be prefixed to all paths
14 basePath: /v1
15 produces:
16   - application/json
17 paths:
18   /products:
19     get:
20       summary: Product Types
21       description: |
22         The Products endpoint returns information about the *Uber* products
23         offered at a given location. The response includes the display name
24         and other details about each product, and lists the products in the
25         proper display order.
26       parameters:
27         - name: latitude
28           in: query
29           description: Latitude component of location.
30           required: true
31           type: number
32           format: double
33         - name: longitude
34           in: query
35           description: Longitude component of location.
36           required: true
37           type: number
38           format: double
39       tags:
40         - Products
41       responses:
```

## Uber API

Move your app forward with the Uber API

Version 1.0.0

Filter operations by a tag:

- Products
- Estimates
- User

## Paths

List all paths

/products

GET /products
<p><b>Products</b></p> <p><b>Summary</b></p> <p>Product Types</p> <p><b>Description</b></p> <p>The Products endpoint returns information about the <i>Uber</i> products offered at a given location. The response includes the display name and other details about each product, and lists the products in the proper display order.</p>

# What is JSON Schema?



# Why do you want to use Swagger?

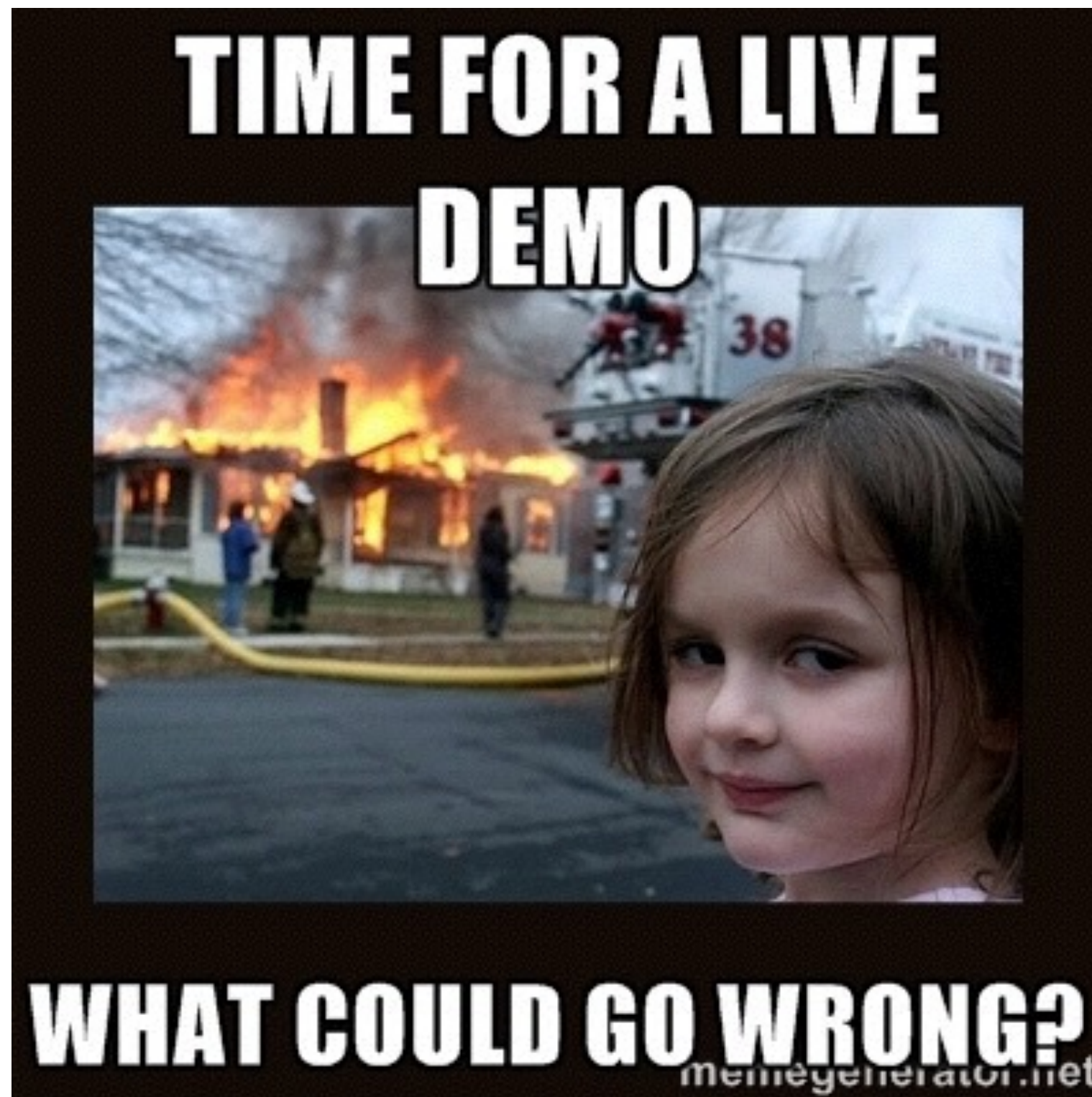
- Why not just do validation inside your web app?
- Keeping documentation and code in sync
- Sharing validation rules and documentation between the server and clients

# Swagger2 distribution

- `Swagger2` and `JSON::Validator`
- `Swagger2::Client`
- `Swagger2::POD`, `Swagger2::Markdown`
- `Mojolicious::Command::swagger2`
- `Mojolicious::Plugins::Swagger2`



# Demo blog application



```
$ git clone https://github.com/jhthorsen/swagger2.git
```

```
$ cd swagger2/t/blog/
```

```
$ BLOG_PG_URL=postgresql://postgres@test \
perl script/blog routes
```

```
$ BLOG_PG_URL=postgresql://postgres@test \
perl script/blog daemon
```

```
$ SWAGGER_BASE_URL=http://localhost:3000 \
mojo swagger2 client api.json
```



<shell demo time>



@jhthorsen  
batman @ irc.perl.org  
<http://thorsen.pm>