

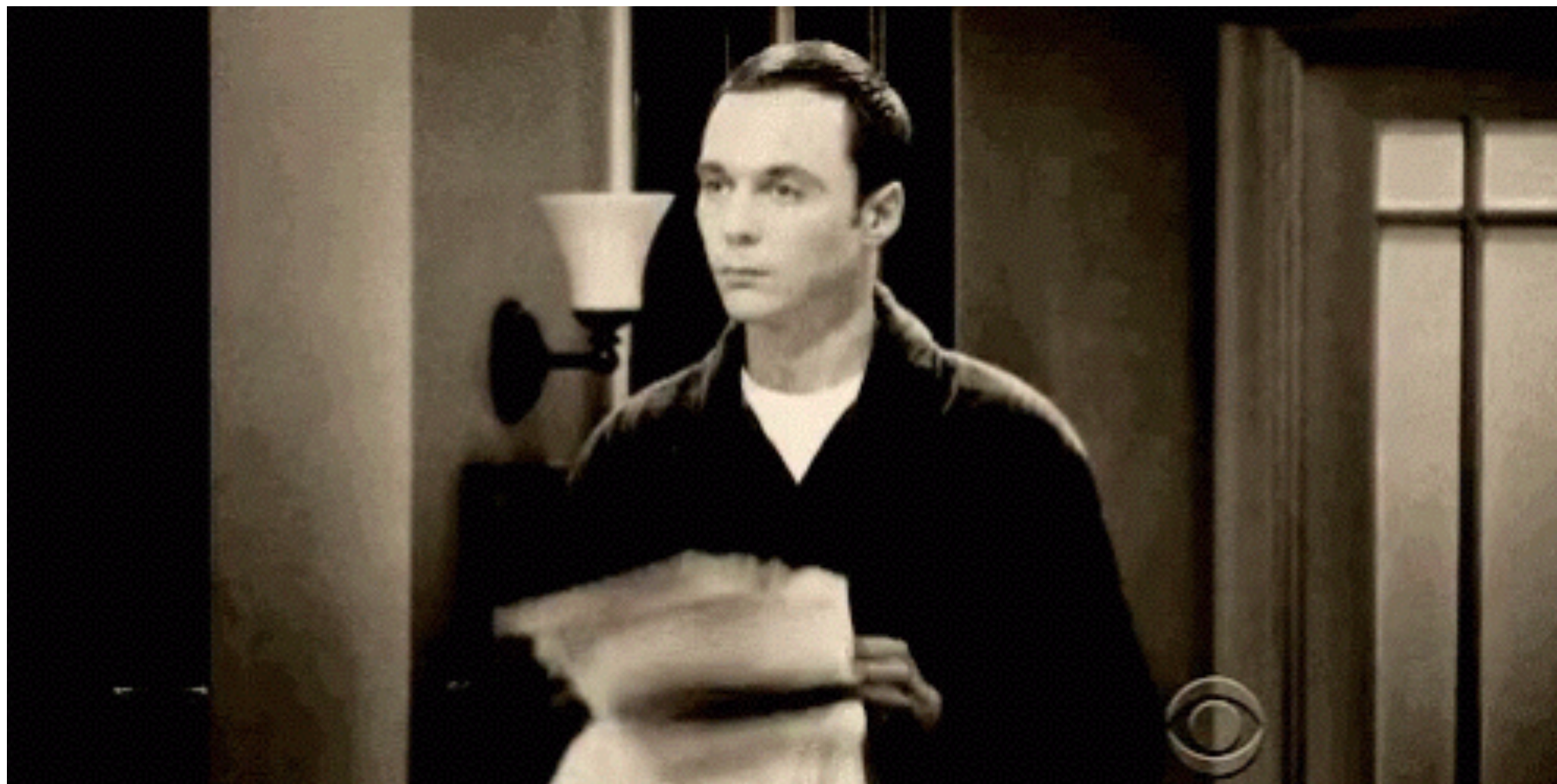
# ***SWAGGER***

The World's Most Popular Framework for APIs.

Sean Park

# What is Swagger

- What is Swagger?
- The goal of Swagger™ is to define a standard, language-agnostic interface to REST APIs which allows both humans and computers to discover and understand the capabilities of the service without access to source code, documentation, or through network traffic inspection. When properly defined via Swagger, a consumer can understand and interact with the remote service with a minimal amount of implementation logic. Similar to what interfaces have done for lower-level programming, Swagger removes the guesswork in calling the service.
- Technically speaking - Swagger is a formal specification surrounded by a large ecosystem of tools, which includes everything from front-end user interfaces, low-level code libraries and commercial API management solutions.
- <http://swagger.io/getting-started/>



# Swagger tools

- Swagger Editor
- Swagger UI
- Swagger Generator

# Swagger Editor

The image shows the Swagger Editor web application in a browser window. The browser's address bar displays `editor.swagger.io`. The application has a dark-themed code editor on the left and a light-themed visual editor on the right.

**Code Editor (Left):**

```
1  swagger: '2.0'
2  info:
3    version: 0.0.0
4    title: Simple API
5  paths:
6    /:
7      get:
8        responses:
9          200:
10           description: OK
11           schema:
12             $ref: "#/definitions/SimpleObject"
13  definitions:
14    SimpleObject:
15      type: object
16      properties:
17        foo:
18          type: string
19        bar:
20          type: number
```


**Visual Editor (Right):**

The visual editor displays the API details for the `GET /` endpoint.

- Simple API**
- Version 0.0.0**
- Paths**
- GET /**
- Responses**
- | Code | Description | Schema  |
|------|-------------|---|
| 200  | OK          | <pre>SimpleObject {   foo: string   bar: number }</pre> |
- [Try this operation](#)



# Swagger UI

 **swagger**   [Explore](#)

**pet** [Show/Hide](#) [List Operations](#) [Expand Operations](#) [Raw](#)

[GET](#) [/pet.json/{petId}](#) [Find pet by ID](#)

### Implementation Notes

Returns a pet when ID < 10. ID > 10 or nonintegers will simulate API error conditions

### Parameters

Parameter	Value	Description
<b>petId</b>	<input type="text" value="3"/>	<b>ID of pet that needs to be fetched</b>

[Try it out!](#)

### Request URL

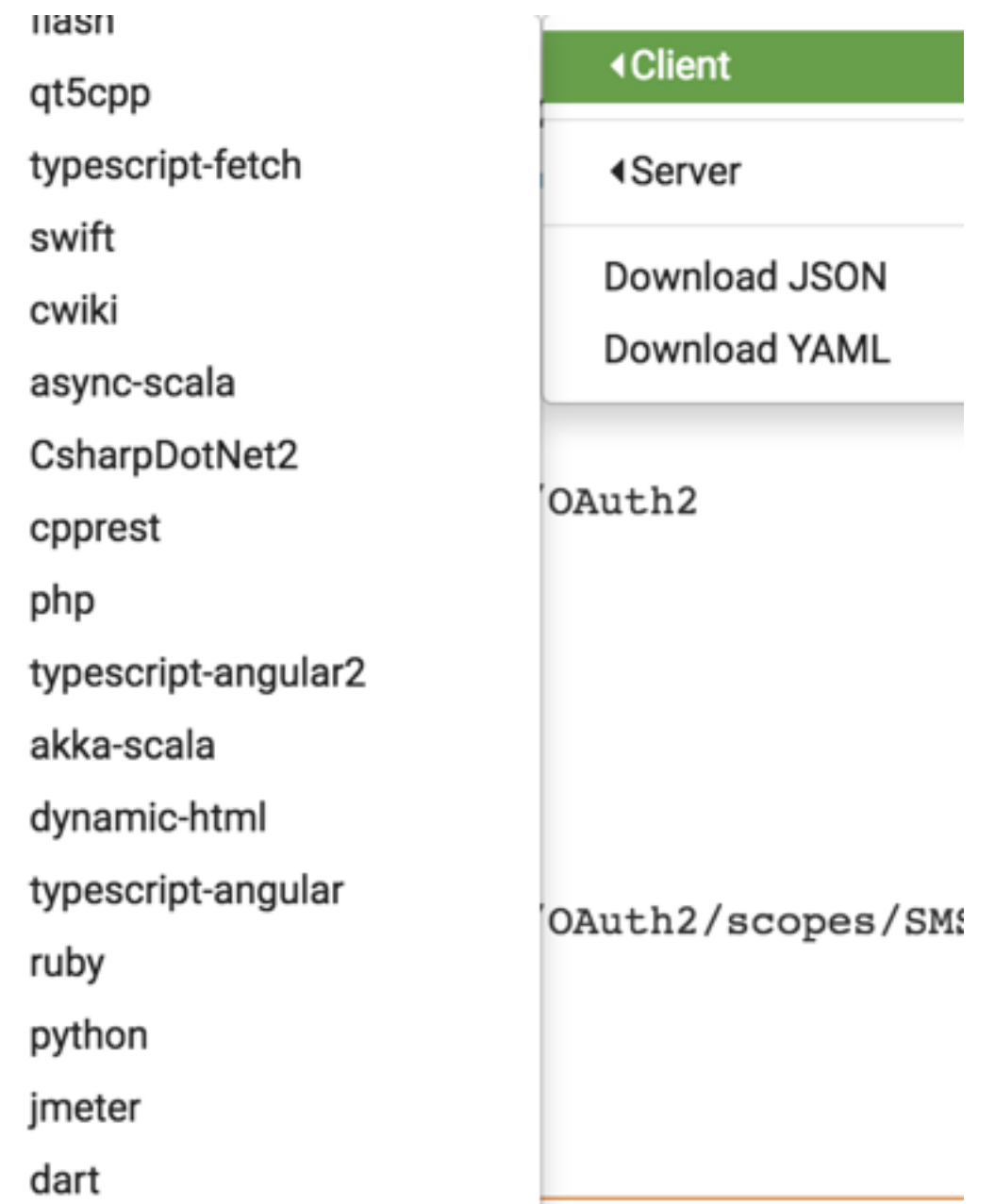
```
http://petstore.swagger.wordnik.com/api/pet.json/3?api_key=special-key
```

### Response Body

```
{  "name": "Cat 3",  "id": 3,  "status": "pending",  "category": {    "name": "Cats",    "id": 2  },  ...}
```

# Swagger Generator

- Client
- Server
- Test Framework (rspec etc)



# You have 2 APIs

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This is the SMS API that provides the ability to send SMS.

Created: 05:04:53 pm Oct 20, 2016

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Need Help Getting Started?





# FREE\*

PER MONTH

1,000 SMS

10,000 SMS

an numbers only  
ota will be reset  
ast day of the  
r month.

SMS A

## SMS API

The SMS API allows you to send messages to Australian mobiles

- Your quota will be reset on the last day of the calendar month.

se

>

Get your API Key

>

# Telstra Developer site



DEVELOPER

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## SMS API

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## SMS API INTRODUCTION

The SMS API sends and receives SMS messages to Australian mobile phones. You can also query the status of a previously sent SMS message. The API will assign a number for each message that is being sent. There is no ability to set your own number or use a shortcode.

There is a limit of 1000 free SMS messages per month and 100 per day. Higher volumes, up to 10,000 messages per month, may be purchased.

The first step to use the SMS API is to [register](#). Once registered go to [MyApps](#) to create an app/API Key which uses the SMS API.

If you want your application to receive SMS messages it is important to register your [callback URL](#), if you don't intend to receive SMS messages then this can be simply set to a dummy URL, such as [http://nocallback.com](#). If you need to change at a later time it can be edited.

## FREQUENTLY ASKED QUESTIONS

**Q: How do I receive responses to the SMS messages when I don't have a dedicated mobile number?**

**A:** The SMS API matches up the **SENT** number with the **FROM** number reply. As long as you correctly configure the callback URL, you will be notified if your recipient sends a reply. NB: This means you may only be notified of responses for the last message you've sent to the same customer.

**Q: Why does each message come from a different mobile phone number?**

**A:** We have kept the API simple for our initial release. For future releases we will allow applications to set a dedicated number.

# DEMO: Telstra SMSAPI

<https://app.swaggerhub.com/api/Sean/Test/1.0.0>

# Who Got Swagger?

Microsoft Azure



amazon.com<sup>®</sup>

SMARTBEAR apigee 3scale  
infrastructure for the programmable web

akana<sup>™</sup>  
Powering the API Economy  
formerly SOA | software

WSO<sub>2</sub>

intuit.

CapitalOne<sup>™</sup>

workday.



NETFLIX



yelp.\*

KIXEYE

[http://seanpark.github.com/swagger\\_introduction](http://seanpark.github.com/swagger_introduction)



Question?

Thank You