Django Rest Framework

Django Development II
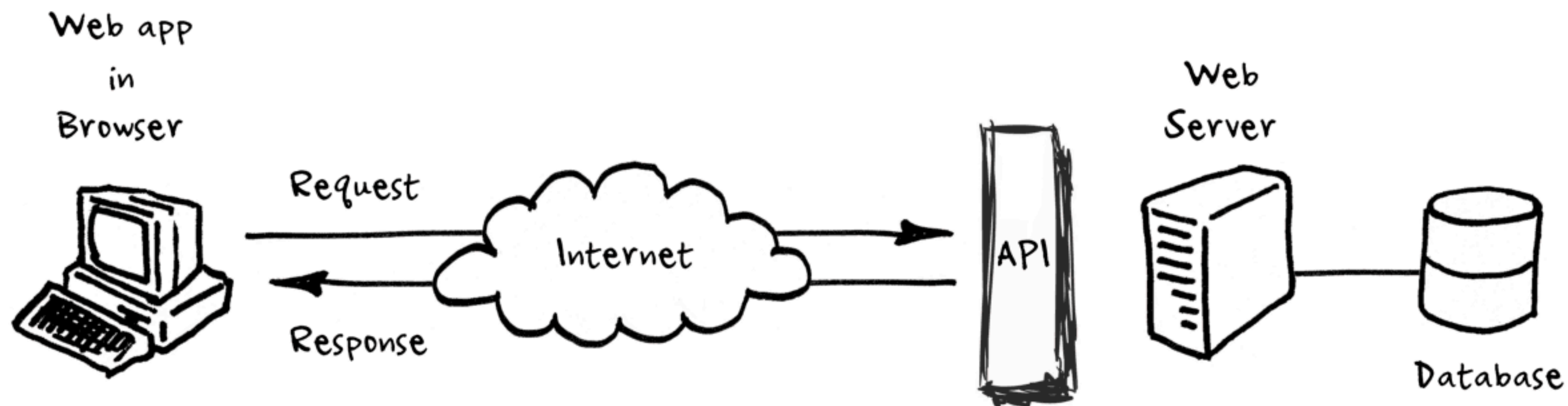
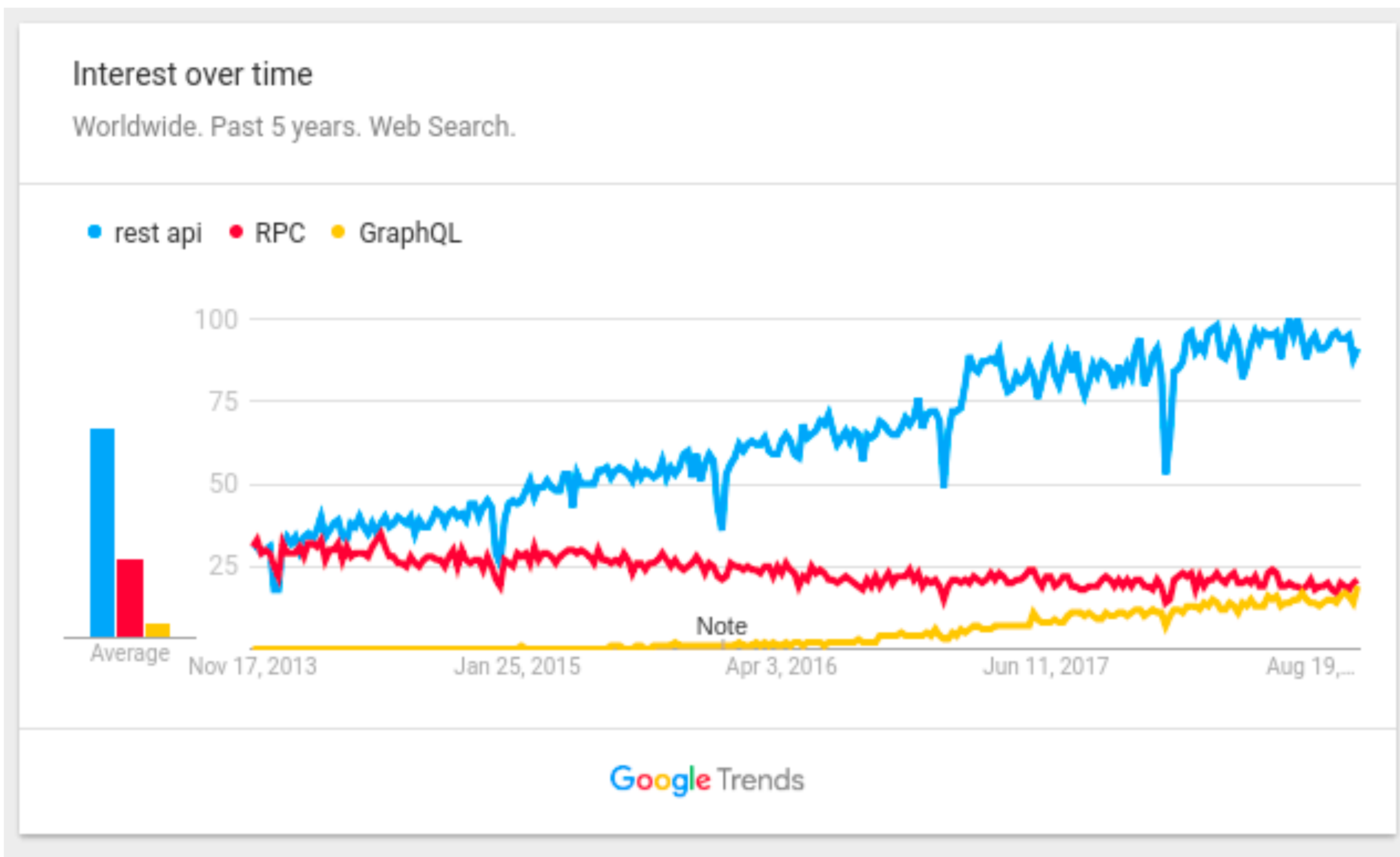**Azimjon Pulatov | PDP Online**

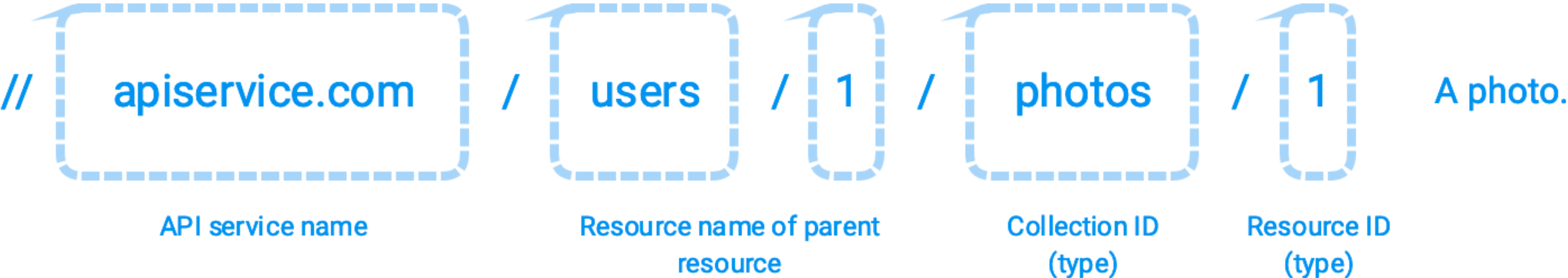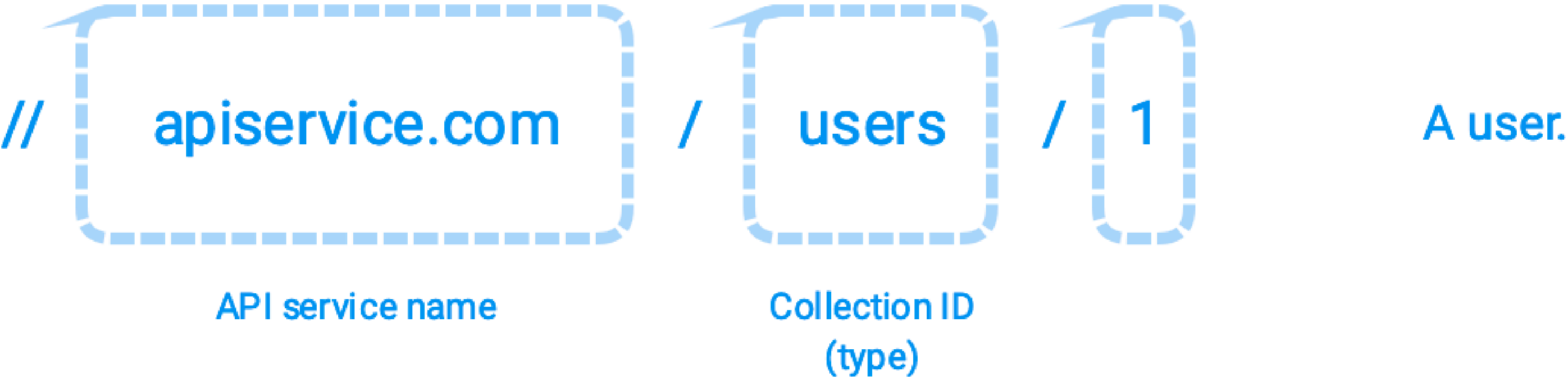# Django & API Haqida

API o'zi nima?
Application Programming Interface

API turlari

	RPC	SOAP	REST	GraphQL
Organized in terms of	local procedure calling	enveloped message structure	compliance with six architectural constraints	schema & type system
Format	JSON, XML, Protobuf, Thrift, FlatBuffers	XML only	XML, JSON, HTML, plain text,	JSON
Use cases	Command and action-oriented APIs; internal high performance communication in massive micro-services systems	Payment gateways, identity management CRM solutions financial and telecommunication services, legacy system support	Public APIs simple resource-driven apps	Mobile APIs, complex systems, micro-services

Rest API - Most Common API

Interest over time
Worldwide. Past 5 years. Web Search.

- rest api
- RPC
- GraphQL

100

75

50

25

Note

Average

Nov 17, 2013   Jan 25, 2015   Apr 3, 2016   Jun 11, 2017   Aug 19,...

Google Trends

Rest API Design Qilish

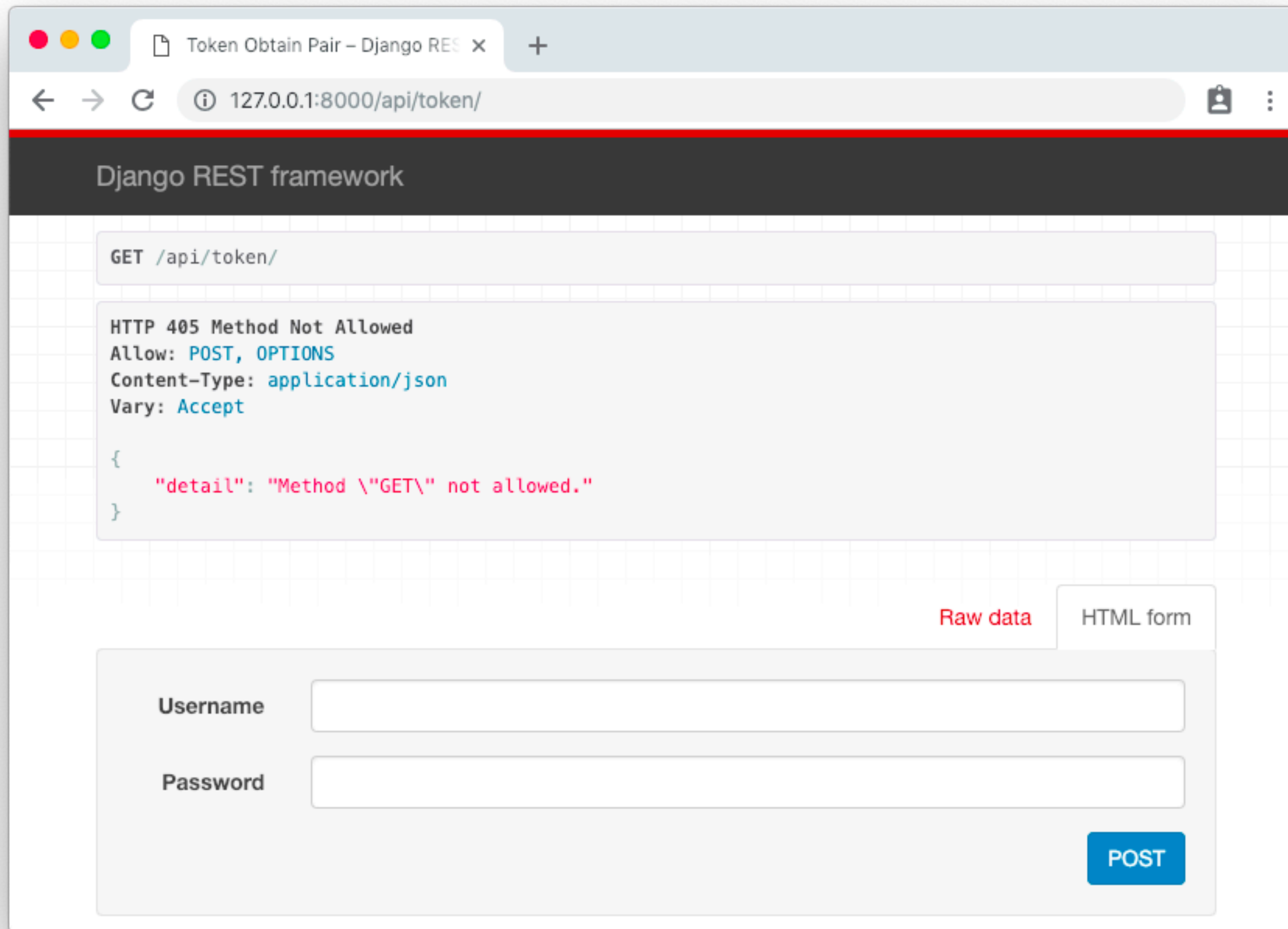| Method	HTTP Request Method (Verb)
LIST	GET
GET	GET
CREATE	POST
UPDATE	PATCH
DELETE	DELETE

// apiservice.com / users / 1   A user.

API service name   Collection ID (type)

// apiservice.com / users / 1 / photos / 1   A photo.

API service name   Resource name of parent resource   Collection ID (type)   Resource ID (type)

DRF Haqida
Django Rest Framework

DRF Afzalliklari

Insomnia Rest Client


```json
{
    "template": "{{ template_id }}",
    "recipient": {
        "address": "julia@fakename.xyz",
        "name": "Julia Rylie"
    },
    "sender": {
        "address": "support@insomnia.rest",
        "name": "Gregory Schier"
    },
    "template_data": {
        "name": "{{ name | title }}",
        "age": 26
    }
}
```

```json
{
    "success": true,
    "receipt_id": "log_40e7828498f2aaf4f2be7e47f0bc3aeb",
    "email": {
        "name": "Invite",
        "version_name": "New Version",
        "locale": "en-US"
    },
    "status": "OK"
}
```

Let's Code 💻