

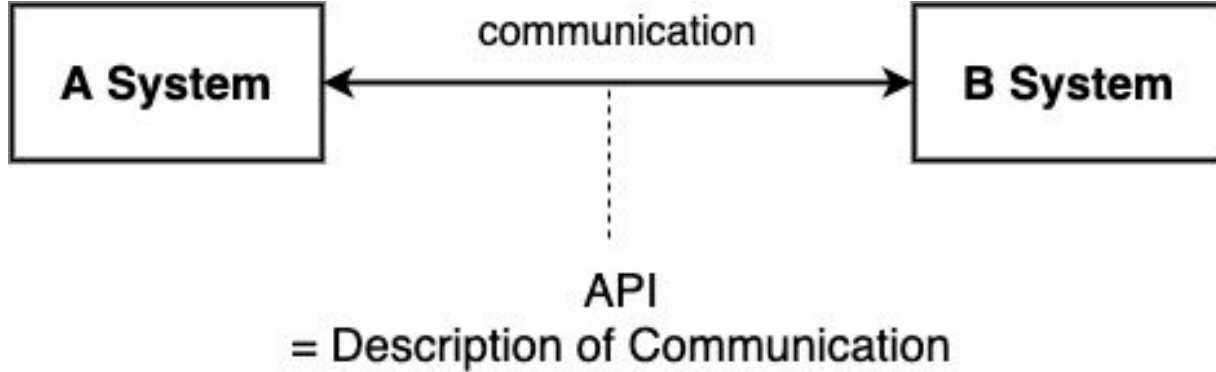
# Standardized API Specification

## Using OpenApi 3

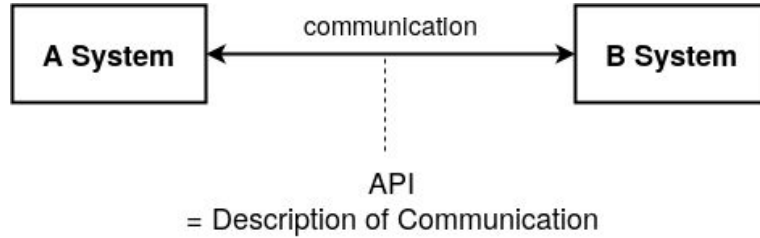


Max-Julian Pogner, Annette Aubell, Farah Alrubaye, Tijana Maksimovic  
(FreeCodeCamp 2020-03-05)

# What is an API

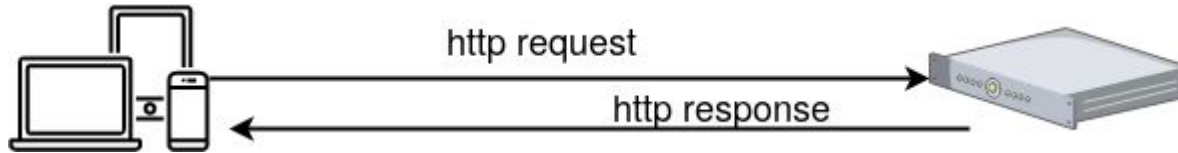


# What is an API



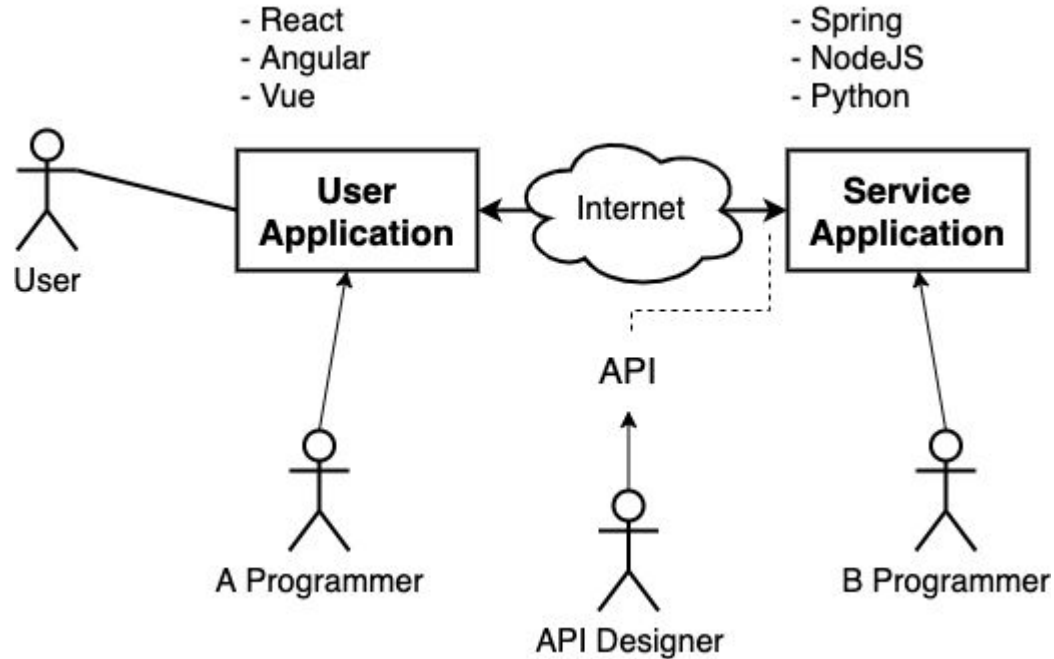
- Gives Guarantees
- General
- For peer system of unknown purpose

# Http/Json Web API (maybe RESTful)



- Client program sends http request
- Server program answers with http response
- The computer does not care about api,  
=> It's an API, because how programmers, not programs, communicate.

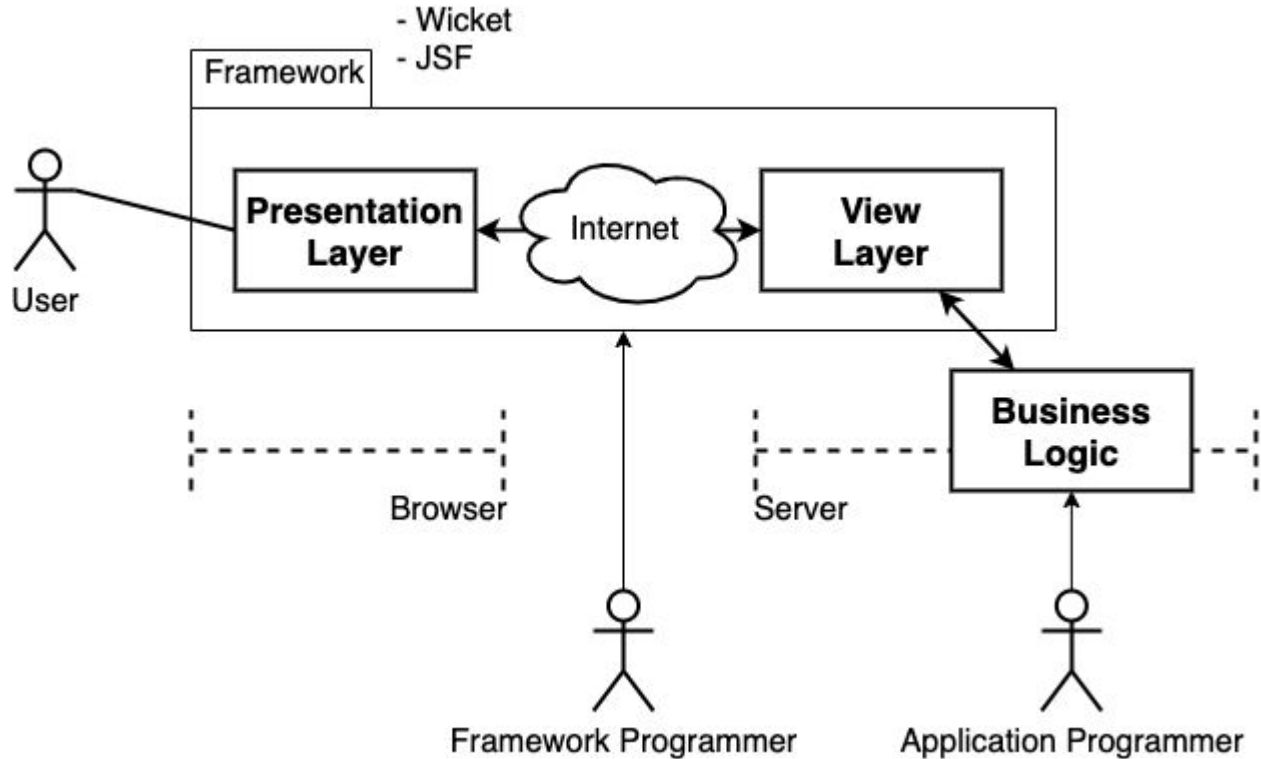
# Http/Json Web API (maybe RESTful)



# Not a Web API

still http requests  
still http responses

> But whatever  
bytes travel over  
the Internet, it's  
not what the  
programmers have  
to mutually agree  
on.



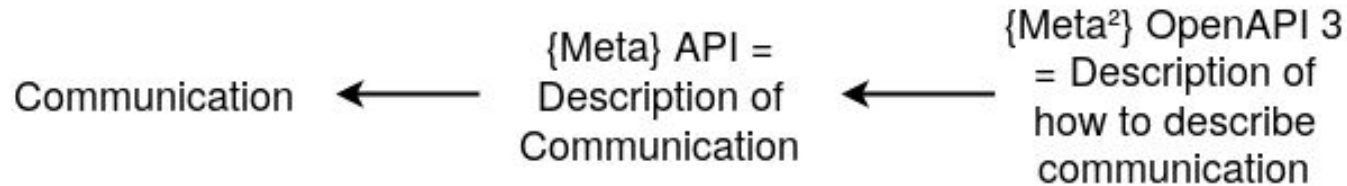
**Intermediate  
Questions?**

# **API Design Principles**



# ~~API Design Principles~~

## Hands on API writing

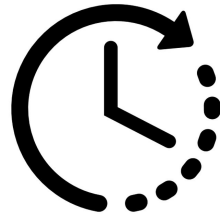


swagger = old name (version 1 and 2), now tools to download

# Time Formatting Service - Livecoding

## Objective:

Design an API that allows users to obtain the current time formatted.



# Links

- ❑ OpenAPI 3 Specification:  
[\*https://github.com/OAI/OpenAPI-Specification\*](https://github.com/OAI/OpenAPI-Specification)
- ❑ Swagger Online Editor:  
[\*https://editor.swagger.io/\*](https://editor.swagger.io/)
- ❑ Swagger Codegen:  
[\*https://github.com/swagger-api/swagger-codegen\*](https://github.com/swagger-api/swagger-codegen)
- ❑ Swagger UI:  
[\*https://github.com/swagger-api/swagger-ui\*](https://github.com/swagger-api/swagger-ui)

**Thank you, until next time!**

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*annette.aubell@ebcont.com*, *farah.alrubaye@ebcont.com*, *tijana.maksimovic@ebcont.com*

# Download Talk

