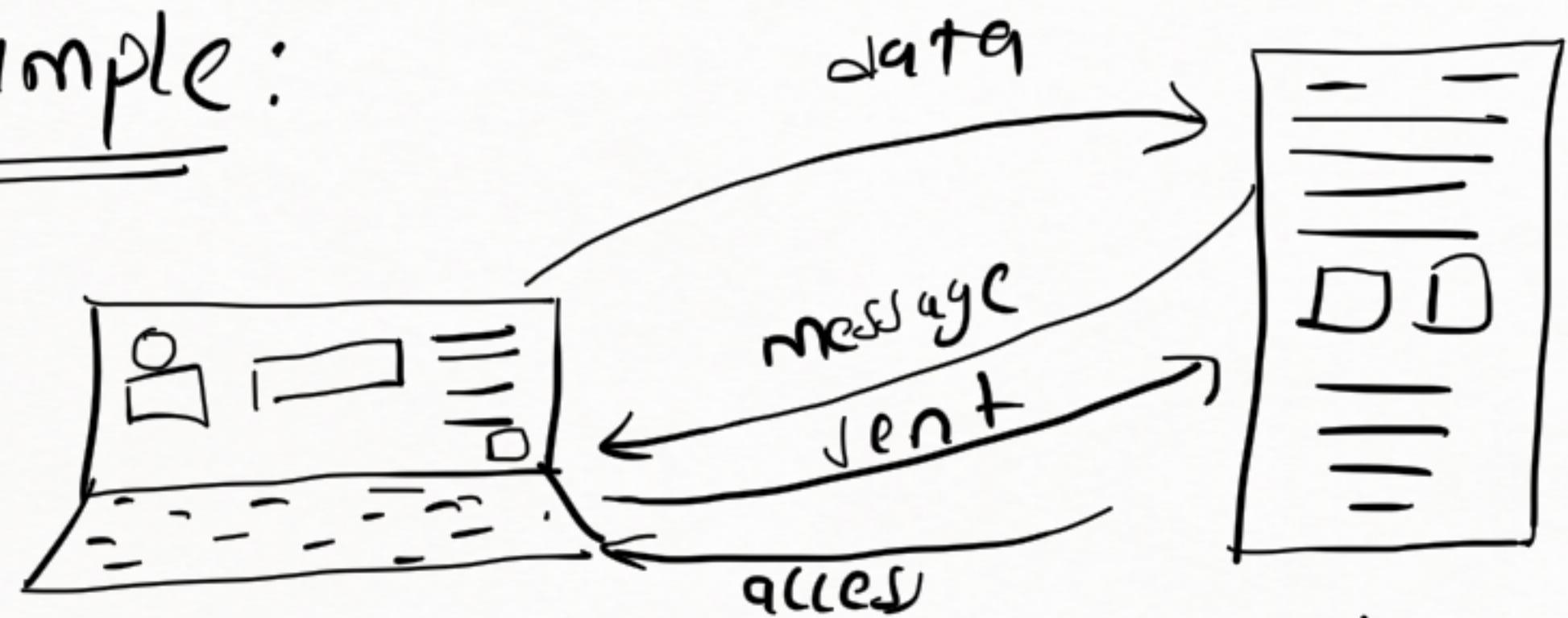


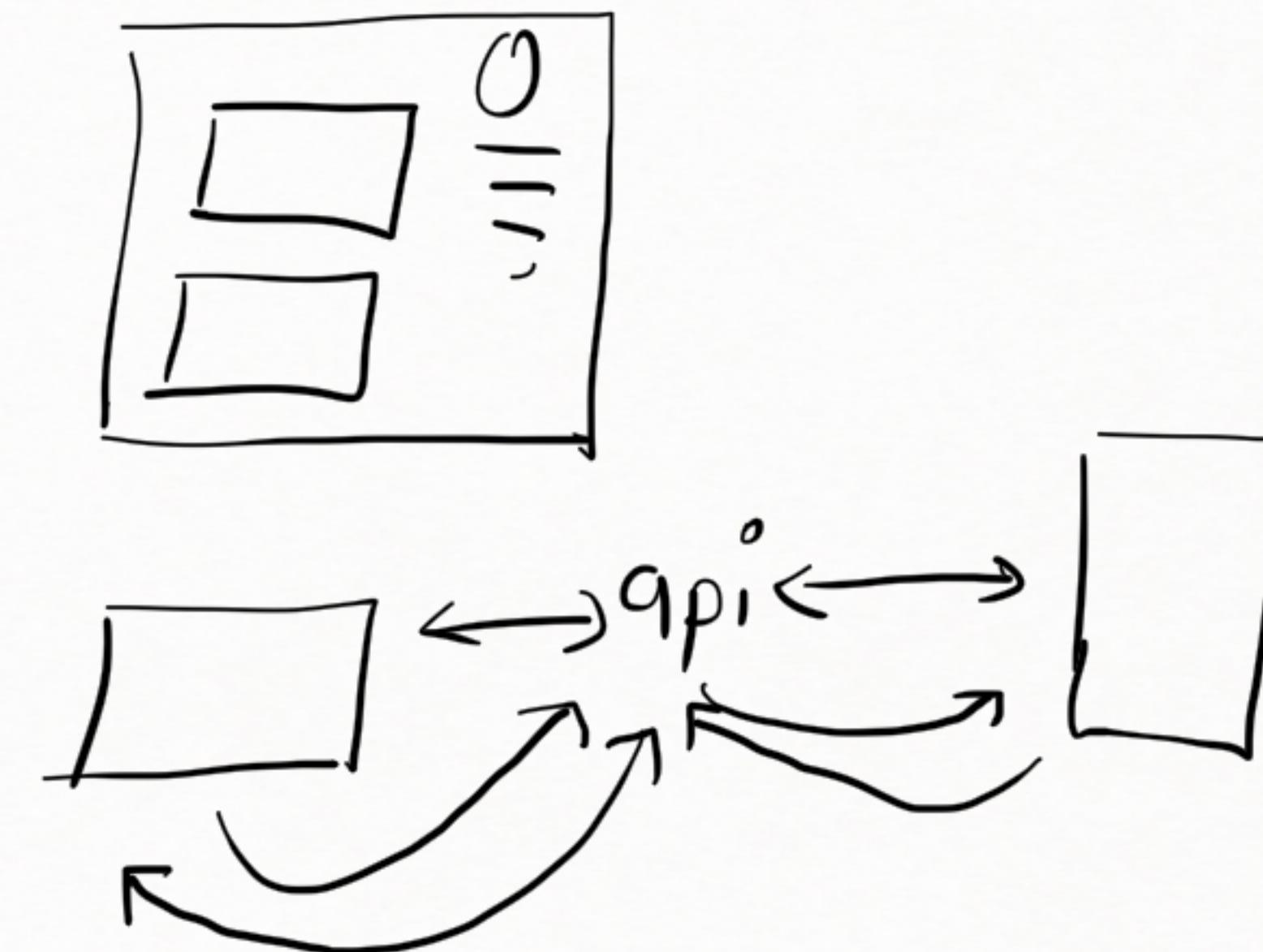
Application programming interface

Example:

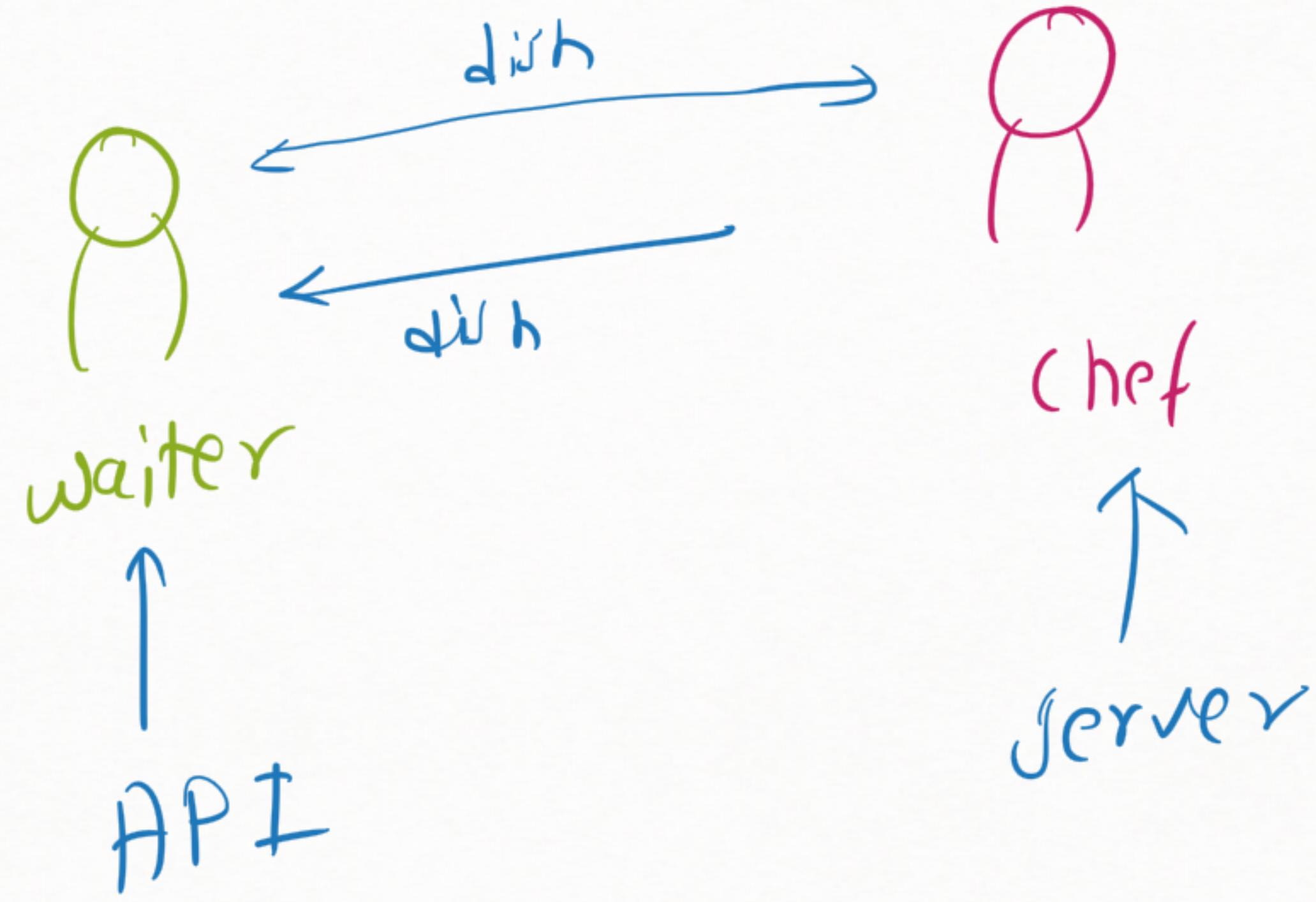
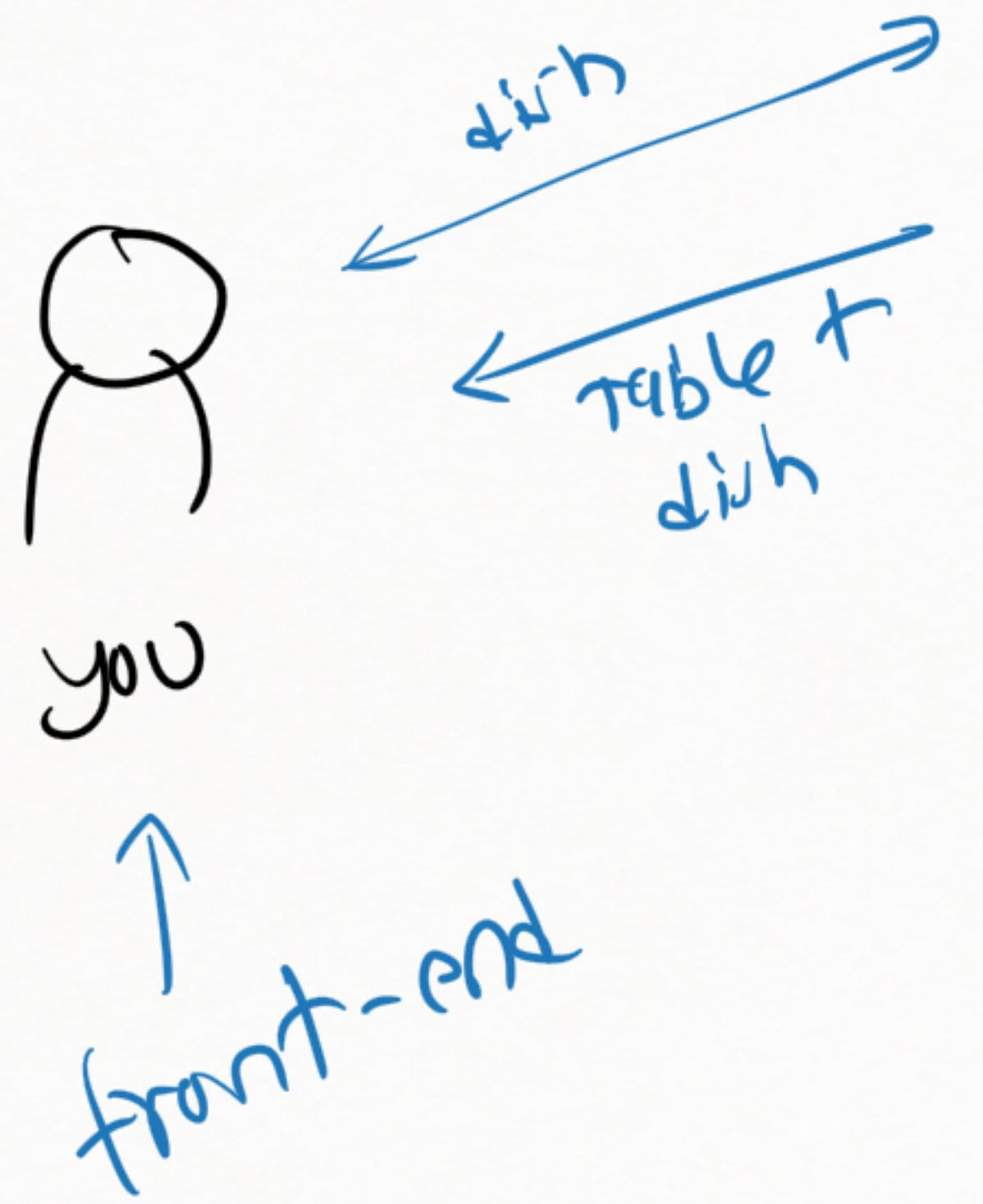


→ check email for confirmation

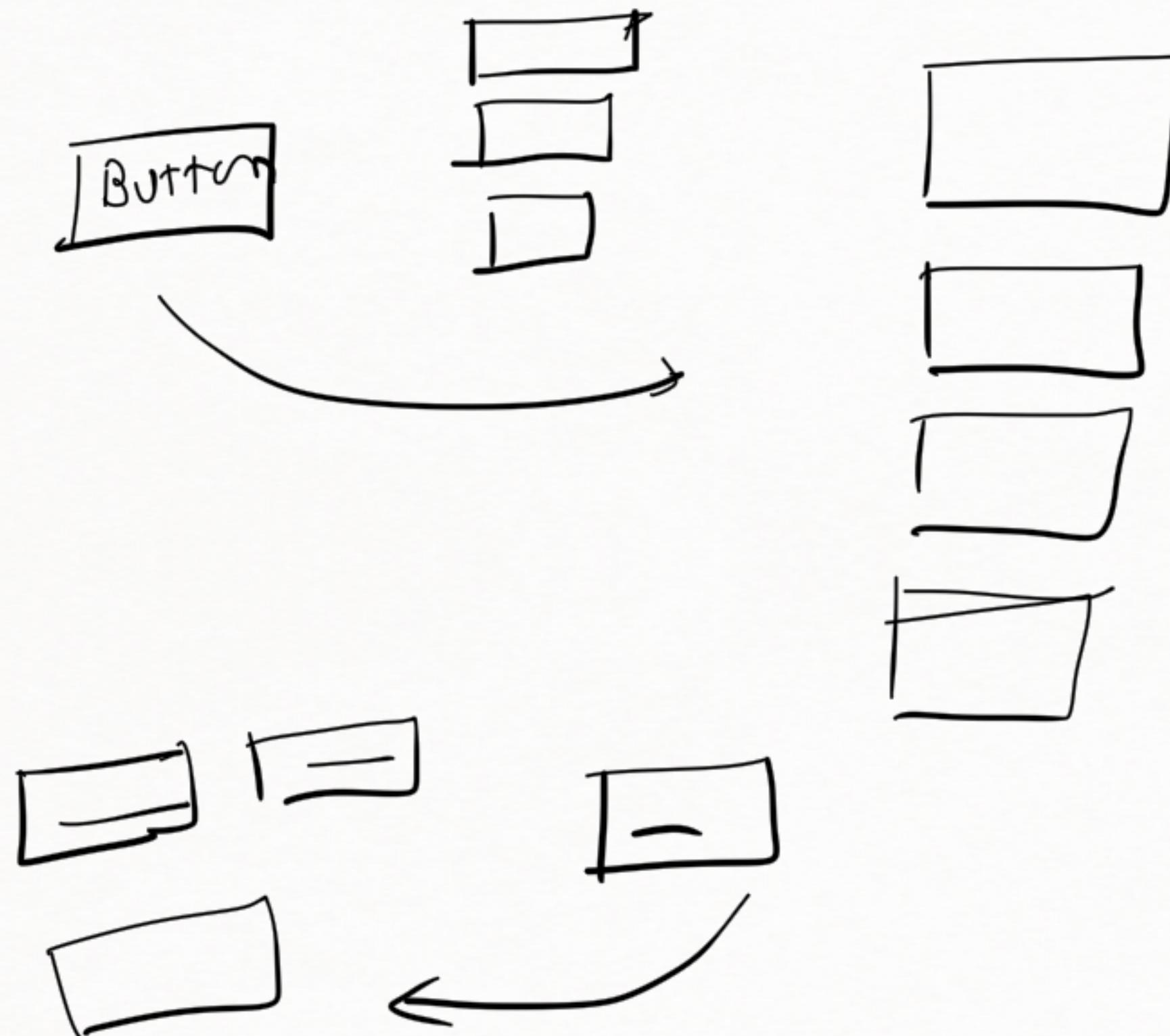
API



Example 2:



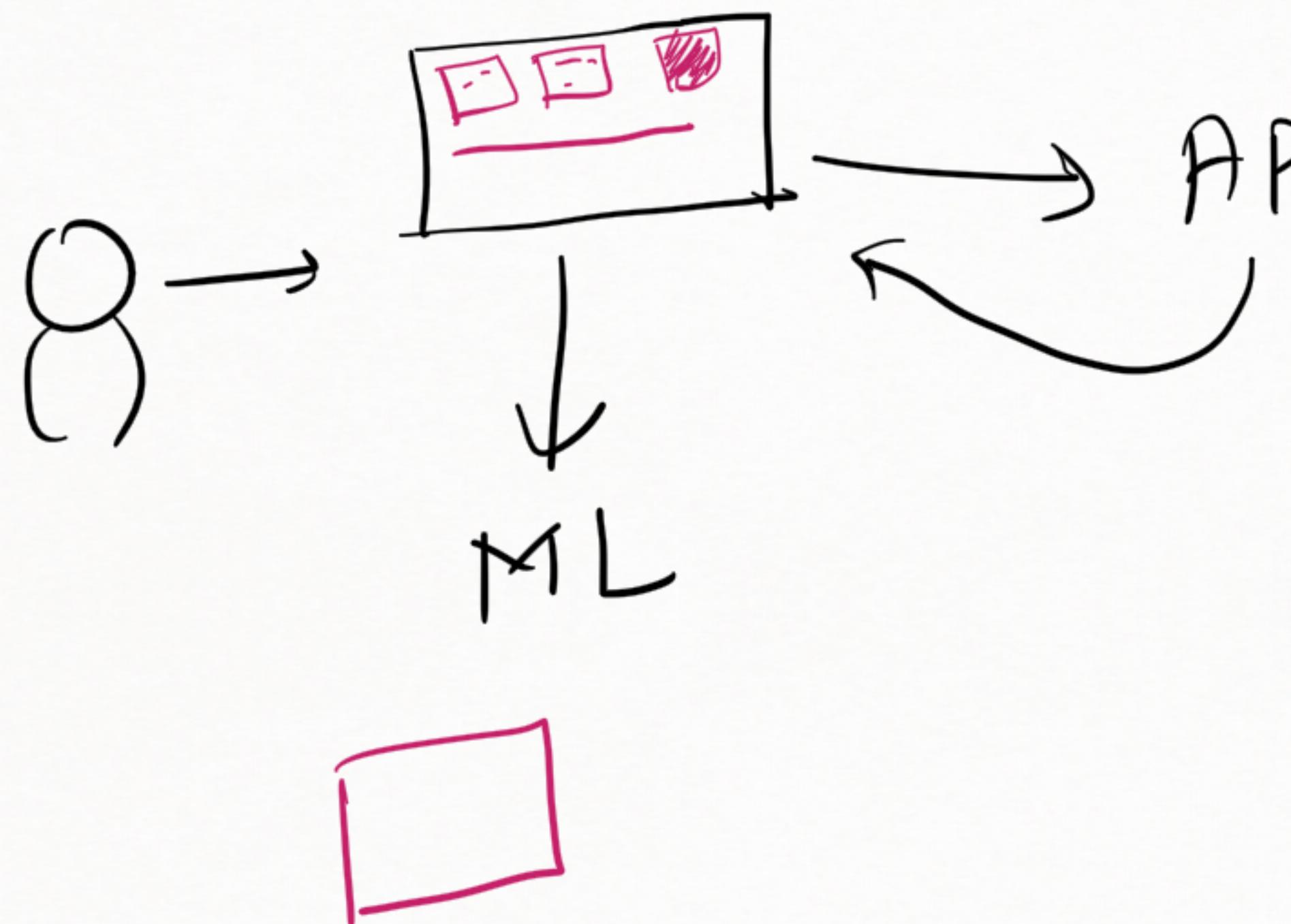
API → web services



Web developer

- machine learning
- what api ; i should use ?
- How TO use it ?
- what are the input !
- what are the inputs !

API → web services → HTTP web
service



→ 4 things you should know
→ what API should I use?
→ How to use that API?
→ what are the inputs?
→ what are the outputs?

Examples we use in our daily life:

- (1) google text to speech →
→ wwww → Hello, world
OK google
→ google.com

Types of API

Rest → Representation state transfer
for an API to comply with REST, it must follow some rules like:

- stateless
- client - server Architecture
- cache ability
- uniform Interface
- Layered system

Ex - Netflix, facebook etc

RPC - Remote procedure call. The goal of RPC is for the client to execute code on a server.

SOAP - Simple object Access protocol

- 1990s
- protocol defined by W3C
- strict rules
- security
- resource intensive

Advantages of API

→ Increased productivity



→ save cost →
↓ complexity →

api
← (L) technology →
← (U) developer expertise →

→ Enhance customer experience

→ collects data for analysis

→ Build new product capabilities