Application Programming Interface (API)

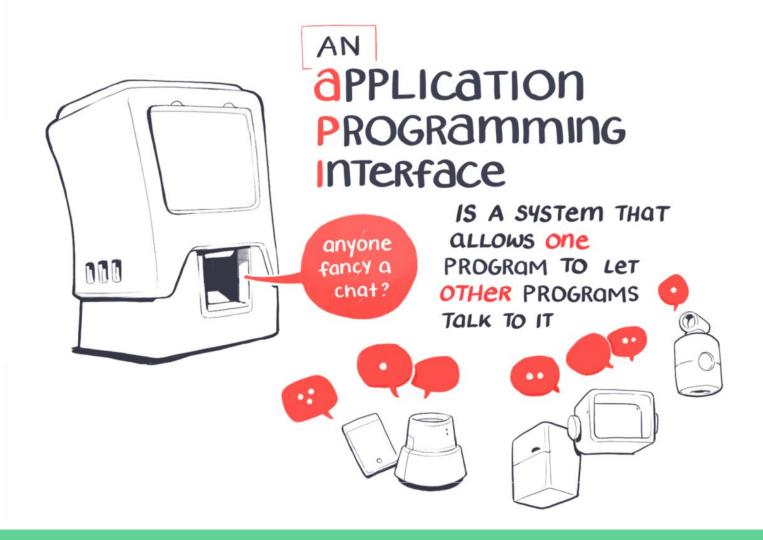
Source: https://maggieappleton.com/api

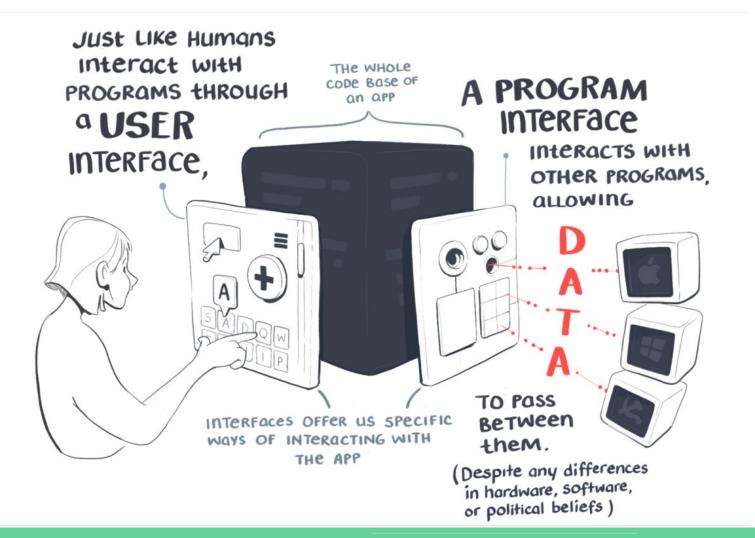
What is an API?

A Software intermediary that allows to connect two systems to share information / instructions.

Hide the complexity of a system exposing just an easy to consume interface.

Allow external system to interact with internal systems through a well defined set of rules, providing functionality to external systems while keeping the logic for such functionality hidden.







API'S THAT connect two programs ACROSS THE

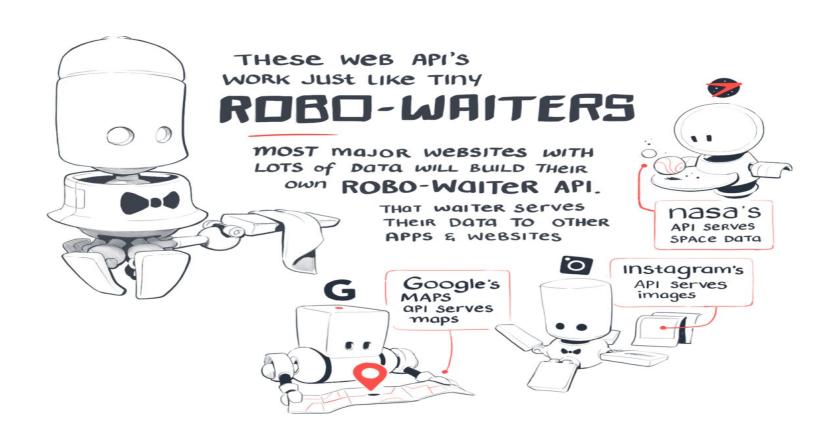
across the internet

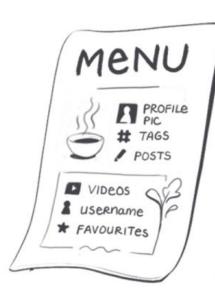




or 'Web services'







menu of options that Tells you what kinds of data you can order

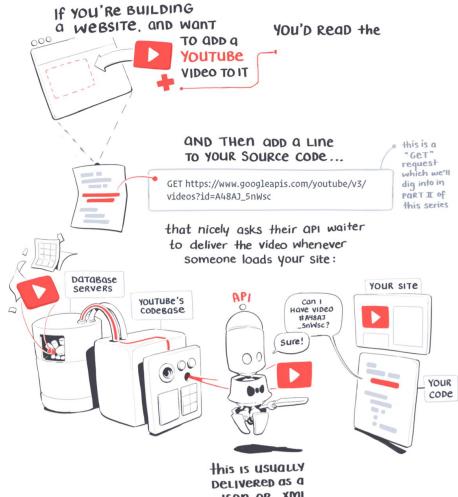
every app has its own distinct menu of choices, and guidelines for how to order - This Menu & ordering guide is called

THE DOCUMENTATION

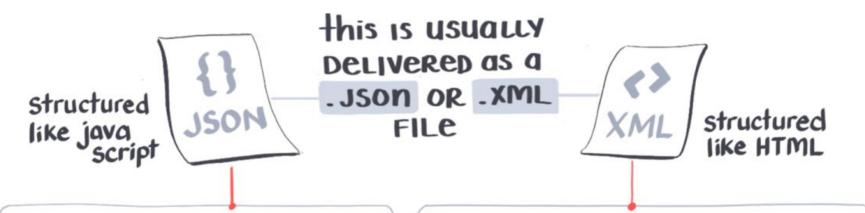
YOU TELL THE
ROBO-WAITER
WHAT DATA YOU
WANT, AND THEY
DASH OFF TO FETCH
IT FOR YOU

can I have all the images tagged #KINGKITTY?

YouTube API example



.JSON OR .XML **FILe**



```
{
    "video": {
        "id": "A4bAJ_5nWsc",
        "publishedAt": "2019-04-20",
        "title": "The Best Video"
     }
}
```

```
<video>
    <id>A4bAJ_5nWsc</id>
    <publishedAt>2019-04-20</publishedAt>
    <title>The Best Video</title>
</video>
```