

Day 14 - Consume API

AJAX & JSON & API

Ajax is a means of interacting with servers behind the scenes using JavaScript without having to reload the page.

JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate.

An API is a list of commands as well as the format of those commands that one program can send to another. It is used so that individual programs can communicate with one another directly and use each other's functions.

AJAX & JSON & API

```
$.ajax({  
    url: 'https://randomuser.me/api/',  
    dataType: 'json',  
    success: function(data) {  
        console.log(data.results[0].user.gender);  
    }, beforeSend: function() {  
        //do something while load the data  
    }, complete: function() {  
        //do something when ajax call complete  
    }  
});  
  
https://randomuser.me/
```

View: ☐ Preserve log ☒ Disable cache No throttling ▼

	300 ms	400 ms	500 ms	600 ms	700 ms	800 ms	900 ms	1000 ms

× Headers Preview **Response** Timing

```

1
2 "results": [
3   {
4     "user": {
5       "gender": "female",
6       "name": {
7         "title": "ms",
8         "first": "tammy",
9         "last": "spencer"
10      },
11     "location": {
12       "street": "4364 the green",
13       "city": "winchester",
14       "state": "grampian",
15       "zip": "DV4A 9WS"
16     },
17     "email": "tammy.spencer@example.com",
18     "username": "ticklishwolf979",
19     "password": "gambler",
20     "salt": "xZa7TTg2",
21     "md5": "2be2f903ccad16e67f30f02af8796f3f",
22     "sha1": "1b8834d1d5379b333570fa33d482ba2e6e9d5030",
23     "sha256": "69895c9b2d832b6fe82564bd0211ccb55977b622a8e3e",
24     "registered": 1077824925,
25     "dob": 1114499261,
26     "phone": "016973 82551",
27     "cell": "0798-917-984",
28     "NINO": "XJ 70 30 81 O".
29

```

Exercise 1

Using <https://randomuser.me/api/> to

1. Create simple user page
2. Show person picture profile
3. Show person name
4. Show person gender
5. Show person email
6. Show person location

pakai jquery:

```
$(".name").html(name);  
$(".button").on('click', nama_function);
```

Exercise 2

Implement friend list on your profile page