API GOTCHAS

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1. Same Origin Policy / CORS
2. API Keys
3. OAuth

SAME ORIGIN POLICY / CORS

A security feature of web browsers. You cannot make an AJAX requests to a different domain unless the API you're calling specifically allows it.

This means some APIs you simply *cannot use from the browser*. There's nothing you can do about it.

Demo

SAME ORIGIN POLICY / CORS

The solution is you have to write a back-end for you web app to access these APIs. We'll learn more about that later.

API KEYS

Most APIs require you to register and get a "key", kinda like a password.

Every time you use the API, you have to send the key with the request.

API KEYS

Sometimes you send the key as a URL parameter.

```
$.get({
    url: "https://api.flickr.com/services/rest/?method=flickr.test.echo",
    data: {
        name: "Hello Flickr!",
        api_key: "YOUR KEY HERE"
    }
}, function(responseBody) { console.log(responseBody); });
```

Demo

API KEYS

Sometimes you send the key as a header.

```
$.get({
  url: "https://yoda.p.mashape.com/yoda?sentence=I+have+a+bad+feeling+about+this!"
  headers: {
    "X-Mashape-Key": "YOUR KEY HERE",
    "Accept": "text/plain"
  }
}, function(responseBody) { console.log(responseBody); });
```

Demo

OAUTH

This is a pretty complicated system that many APIs require you to use in order to have people sign into their service so that you can use their data.

We won't cover the details. For projects in this Front-End class, we recommend avoiding APIs that require OAuth.