

- ☐ Asynchronous Javascript And XML
  - ☐ AJAX is collection of the above technologies.
  - ☐ Earlier XML was used to transfer data, these days JSON is used.
- ☐ Doesn't blocks the program.

## GET Request

- ☐ `const xhr = new XMLHttpRequest()`, attributes in xhr
  - ☐ **.open** : A Function call.
    - ☐ method : 'GET', 'POST'
    - ☐ url : The url where request is to be sent.
    - ☐ async : true to make it asynchronous.
  - ☐ **.onprogress** : Assign a function (optional)
    - ☐ Executes when `xhr.send()` is called.
    - ☐ Preferably used to initiate loaders.
  - ☐ **.onload** : Assign a function.
    - ☐ Executes when ajax call is completed.
    - ☐ Preferably used to stop loader and render the data.
  - ☐ **.send** : Call the function without any arguments.
    - ☐ To send the request. 🧑
  - ☐ **.onreadystatechange** : Assign a function.
    - ☐ **OLD METHOD**
    - ☐ There are 5 ready states (0-4).
    - ☐ They can be accessed by `xhr.readyState`.
    - ☐ The function is executed each time ready state changes.
    - ☐ `readyState = 4` means ajax call completed.
- ☐ URLs to play with ajax get request
  - ☐ To play with random data with random fields, <http://www.dummy.restapiexample.com/>.
  - ☐ To create a api with random data with specific fields,
    1. create random data with specific fields in <https://mockaroo.com/>.
    2. Copy the data from here and paste it in <https://mocki.io/fake-json-api> to get a get api url (endpoint).