

Evidence for project unit P
Rob Williams - Cohort E16

Week 12 - Reference P 16

Show an API being used within your program - The first screenshot below shows the code used to import the data from an API I made using a JSON string which simply populates a list on the page with the imported data (E16 class students).

```
const app = function() {
  const url = 'https://api.myjson.com/bins/160pdv';
  makeRequest(url, requestComplete);
}

const makeRequest = function(url, callback) {
  const request = new XMLHttpRequest()
  request.open('GET', url)
  request.send()
  request.addEventListener('load', callback)
}

const requestComplete = function() {
  if(this.status !== 200) return
  const jsonString = this.responseText;
  const data = JSON.parse(jsonString);
  students = data;
  console.log(students);
  populateList(students)
}

const populateList = function(students) {
  const ul = document.querySelector('#students')
  students.forEach(function(student) {
    const nameLi = document.createElement('li')
    nameLi.innerText = student.first_name + " " + student.last_name
    ul.appendChild(nameLi)
  })
}
```

The second screenshot below is of the program running locally, with the results of the `console.log(students)` line of code in the above shown on the right hand side in the console window.

The screenshot shows a web browser at `localhost:3000` displaying a page titled "E16 Students". The page lists 20 students in a bulleted format. To the right, the Chrome DevTools console is open, showing the output of `console.log(students)` as an array of 20 objects. Each object contains `id`, `first_name`, `last_name`, `cohort`, and `gender` properties.

E16 Students

- Kayla Fowler
- Adam Conway
- Kynan Song
- Miguel Almeida
- Aline Mokfa
- Peter Crowther
- Laurence Woodward
- Daniel Colyer
- John Duncan
- Marta Dabrowka
- Andre Zyczkowski
- Huascar Montero
- Yoni Sotat
- Zack Coleman
- Yan Ren
- Joao Nequinha
- Hamish Stewart
- Chris Marshall
- Graeme Doran
- Callum Bentley

```
▼ Array(20)
  ▶ 0: {id: 1, first_name: "Kayla", last_name: "Fowler", cohort: "E16", gender: "F"}
  ▶ 1: {id: 2, first_name: "Adam", last_name: "Conway", cohort: "E16", gender: "M"}
  ▶ 2: {id: 3, first_name: "Kynan", last_name: "Song", cohort: "E16", gender: "M"}
  ▶ 3: {id: 4, first_name: "Miguel", last_name: "Almeida", cohort: "E16", gender: "M"}
  ▶ 4: {id: 5, first_name: "Aline", last_name: "Mokfa", cohort: "E16", gender: "F"}
  ▶ 5: {id: 6, first_name: "Peter", last_name: "Crowther", cohort: "E16", gender: "M"}
  ▶ 6: {id: 7, first_name: "Laurence", last_name: "Woodward", cohort: "E16", gender: "M"}
  ▶ 7: {id: 8, first_name: "Daniel", last_name: "Colyer", cohort: "E16", gender: "M"}
  ▶ 8: {id: 9, first_name: "John", last_name: "Duncan", cohort: "E16", gender: "M"}
  ▶ 9: {id: 10, first_name: "Marta", last_name: "Dabrowka", cohort: "E16", gender: "F"}
  ▶ 10: {id: 11, first_name: "Andre", last_name: "Zyczkowski", cohort: "E16", gender: "M"}
  ▶ 11: {id: 12, first_name: "Huascar", last_name: "Montero", cohort: "E16", gender: "M"}
  ▶ 12: {id: 13, first_name: "Yoni", last_name: "Sotat", cohort: "E16", gender: "M"}
  ▶ 13: {id: 14, first_name: "Zack", last_name: "Coleman", cohort: "E16", gender: "M"}
  ▶ 14: {id: 15, first_name: "Yan", last_name: "Ren", cohort: "E16", gender: "M"}
  ▶ 15: {id: 16, first_name: "Joao", last_name: "Nequinha", cohort: "E16", gender: "M"}
  ▶ 16: {id: 17, first_name: "Hamish", last_name: "Stewart", cohort: "E16", gender: "M"}
  ▶ 17: {id: 18, first_name: "Chris", last_name: "Marshall", cohort: "E16", gender: "M"}
  ▶ 18: {id: 19, first_name: "Graeme", last_name: "Doran", cohort: "E16", gender: "M"}
  ▶ 19: {id: 20, first_name: "Callum", last_name: "Bentley", cohort: "E16", gender: "M"}
  length: 20
  __proto__: Array(0)
```