# Interactive Multimedia Programming 5. Assignment set

jQuery / AJAX requests.

## 1.  Getting familiar with jQuery:

Read this article about jQuery: https://en.wikipedia.org/wiki/JQuery . See also these examples: http://learn.jquery.com/about-jquery/how-jquery-works/

Based on the article answer to following questions
1.  What you can do with the jQuery?
2.  How it can help you as web developer?
3.  If you think our earlier participant list app, in what kind of issues you could use jQuery?
4.  What are CDNs? What kind of benefits you get if you use them?

## 2.  More jQuery:

Read carefully through this jQuery core tutorial: http://learn.jquery.com/using-jquery-core/ (Read all sub chapters and test (code) things that are mentioned in the tutorial.

After you have gone through the documentation, **create a copy of our participant list app and modify it to use jQuery when applicable**.

## 3.  Ajax:

Read this Ajax info: https://en.wikipedia.org/wiki/Ajax_(programming) . Read also this info about JSON (https://msdn.microsoft.com/en-us/library/bb299886.aspx).

Create a simple application that loads this https://imp-portfolio-demonstration.herokuapp.com/json/persons.json  JSON file using AJAX, parses it and shows a list of persons (from JSON) and their email addresses as mailto-link.

If you have problems loading with ajax, you are probably facing cross origin security restriction. Are you seeing something like this in the console?

```
XMLHttpRequest cannot load                                    jquery-1.10.2.js:8706
file:///Users/veikko/Documents/Oamk_OneDrive/OneDriveBusiness/Interactive_mu
ltimedia_programming/ajax_assignment/persons.json. Cross origin requests are
only supported for protocol schemes: http, data, chrome, chrome-extension,
https, chrome-extension-resource.
```
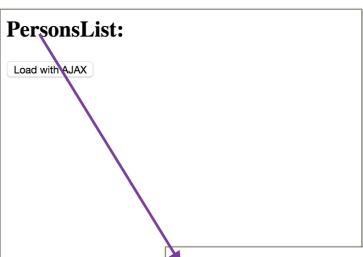
Veikko Tapaninen (veikko.tapaninen@oamk.fi)

Read more about it from here: https://en.wikipedia.org/wiki/Same-origin_policy . Problem is that we are loading our page from the file system and the json file from herokuapp.com domain

In our situation we could use jsonp:
http://stackoverflow.com/questions/2067472/what-is-jsonp-all-about?noredirect=1&lq=1

I have created a jsonp version of the resource which is located here:
https://imp-portfolio-demonstration.herokuapp.com/json/persons.jsonp.

Practical examples how to use jsonp: https://www.sitepoint.com/jsonp-examples/
Use JQuery's jsonp loading techniques and create something like this:

**PersonsList:**

Load with AJAX

**PersonsList:**

Brandi James email: brandijames@xiix.com
Mullins Klein email: mullinsklein@xiix.com
Anthony Nash email: anthonynash@xiix.com
Montgomery Perry email: montgomeryperry@xiix.com
Amparo Thompson email: amparothompson@xiix.com
Janell Shaffer email: janellshaffer@xiix.com
Ines Nieves email: inesnieves@xiix.com
Battle Price email: battleprice@xiix.com
Marianne Rodgers email: mariannerodgers@xiix.com
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Load with AJAX