# Web 3 Practical – AJAX

Solve the next 2 exercises using AJAX.

Note: being able to carry out cross domain requests through AJAX is an advanced topic of web development. It basically requires to configure the remote server whose resources you want to access to accept cross domain requests. You also need to configure your client browser (if you use Chrome or Opera for example ) to be able to generate cross domain requests. To maintain things relatively simple I have placed the remote resources you need to use in a public Dropbox folder which accepts cross domain requests so you don’t have to worry about this technical detail. Most of the time in the real world however, you will use AJAX with resources sitting in the same domain as the rest of the application.

1. Create the function ajaxRequest() in p1.js that retrieves a file “athletes.json” from the URL <https://dl.dropboxusercontent.com/u/10089854/Web3/ajaxPractical2/athletes.json> Your program should take user input (the 1st name of an athlete) and check the corresponding last name in “athletes.json”. If the 1st name input by the user is in the “athletes.json” your application should provide some relevant feedback to the user such as “Are you thinking about athleteFirstname athleteLasstname?”. If the athletes 1st name entered by the user is not in the “athletes.json” file, your application could modify to the user by outputting some text to the browser window (sorry! I do not know that athlete”. Watch the video p1.mp4 in the I drive to get a better idea of what your application should do. The content of the “athletes.json” file is:

{

"Michael": "Jordan",

"Cristiano": "Ronaldo", on Apogee for 5th and I still was in a sticky

"Usain": "Bolt",

"Muhammad": "Ali",

"Richie": "McCaw",

"Dan": "Carter",

"Jonah": "Lomu",

"Magic": "Johnson"

}

1. Create the function buttonClicked() in p2.js to provide AJAX functionality to the application. Basically, when the user of the web application clicks on any of the buttons on the page, retrieve an image from the url: <https://dl.dropboxusercontent.com/u/10089854/Web3/ajaxPractical/images/> + button name (i.e. button1, button2, etc…) +.svg (file extension). Inject the response text (which is a vector image) on the <div id="iconX" alt="Icon"> element in the p2.html file. Watch the video p2.mp4 in the I drive to get a better idea of what your application should do. Keep in mind all the way through the exercise, that your application through proper use of AJAX is retrieving information in real-time from the server upon user generated events and updating just sections of the site dynamically. This is a very useful and powerful technical skill to have if you’re planning a career in web development.