

Homework 5

AJAX

Objective 1: AJAX GET

Add some content to your site that is requested and displayed on the page with an AJAX GET request after the page loads. The content can be plain text.

Example:

- Page loads as usual
- After the page loads, your JavaScript runs and makes an AJAX GET request to your server
- The server responds with plain text that is added to an HTML element and displayed to the user

Objective 2: AJAX POST

Add a form to your page that does not reload the page when submitted by sending an AJAX POST request. You have flexibility in your design as long as the user can send information to your server without a page reload.

- You do not have to use the form HTML element. Using inputs and a button that calls your JavaScript function and pulls the values from each input is fine
- You choose how your data is represented in the body of the request (Ex. url encode, multi-part, JSON)

The sent information must be stored on your server.

Objective 3: AJAX GET User Content

Add a path to your server that will respond with all the content submitted with your AJAX POST from objective 2. Do not host this as a separate HTML page. Aside from not hosting a whole page, you may choose any format for sending this data (Ex. JSON, a preformatted HTML element, CSV, plain text).

Objective 4: Polling

Use polling to request and display the content served in objective 3 at regular intervals. To earn any credit for this objective, your site must not be vulnerable to HTML injection attacks. With this objective complete you should be able to:

- Open you site in two different tabs/windows
- Submit your form in one tab
- See your submission in the other tab without refreshing the page or taking any other action

At this point you've effectively written a chat app with only a TCP socket server!

Submission

To earn credit for this homework you must complete all 3 submissions.

1. Submit all the files of your site to AutoLab in a **zip** file
2. Submit your report to AutoLab as a **txt** file
3. Fill out the [homework self-grading form](#)