

CART 351 FALL 2021

EXERCISE 3: POSTED OCTOBER 27th 2021

DUE: FRIDAY NOVEMBER 12th 2021 11:59 PM (2 + weeks)

This exercise is using ****PHP**** and the goal is to practice POSTING data via AJAX and JQUERY and retrieving data FROM a text file on the SERVER using AJAX and JQUERY as well....

NB: If you feel more comfortable using Node.js and are are using Node.js for your project as opposed to php: you may use Node.js instead of php – but **ONLY** use the Express with/without socket.io modules for client-> server communication.

You will create an interactive *collective* interface (html/css) whereby a user can complete a task. The results of their task are saved to a file on the server. Upon reloading the page/ different client connects: the said clients' results are updated and reflected in the *collective* interface.

YOU MAY WORK IN MAXIMUM TEAMS OF TWO: Concept, UI, User Experience is very important in this exercise – It is not just a technical assignment.

You may use any resources/examples provided in class and/or that you sourced -BUT please cite your sources 😊

Create a **CLIENT HTML MARKUP** (with CSS and JS of course) – save as .php:

1. Upon loading the page, GET (using AJAX) the data from the collective file on the server and reflect this data in the *collective user interface*.
2. Allow for the user to complete a task and keep track of their results.
3. Do not use a conventional form for data input – a large part of this exercise is HOW you want the user to complete/interact with the interface
4. POST (using AJAX) these results to the server

Create the following ****PHP scripts** (can reside in the same .php as the client):

1. Receive the client request to GET the data from the TEXT file – store the data in the correct data structure and echo the response back to the client
2. Receive the client POST request (their results) – unpack the data and store in the collective TEXT file accordingly.

Put the project online (linked from your class web page) by the due date and submit the URL on Moodle. Also provide a zip archive of the entire project available for download.

Note: if you have a node.js project – just zip it (without the node modules) and provide a link + description on your webpage

Please: – if you find this exercise not clear or too difficult then you **MUST** let me know....