

Assignment Week 9
AJAX and JavaScript Library (jQuery)
Friday, October 28, 2022

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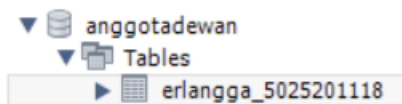
NRP : 5025201118

Exercise 1

This exercise is based on this reference: https://www.w3schools.com/php/php_ajax_database.asp

1. Open your MySQL database, then create a table named "**person_NRP**". Example: person_5120318.

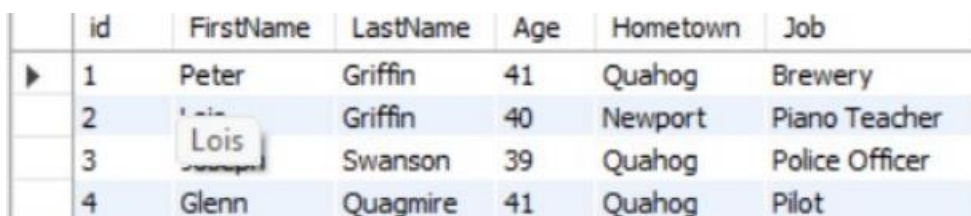
You can put this table on existing database or you can create a new databases.



2. Fill in your table with this data samples.

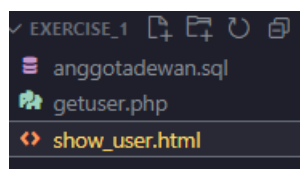
The database table we use in the example above looks like this:

| id | FirstName | LastName | Age | Hometown | Job |
|----|-----------|----------|-----|----------|----------------|
| 1 | Peter | Griffin | 41 | Quahog | Brewery |
| 2 | Lois | Griffin | 40 | Newport | Piano Teacher |
| 3 | Joseph | Swanson | 39 | Quahog | Police Officer |
| 4 | Glenn | Quagmire | 41 | Quahog | Pilot |

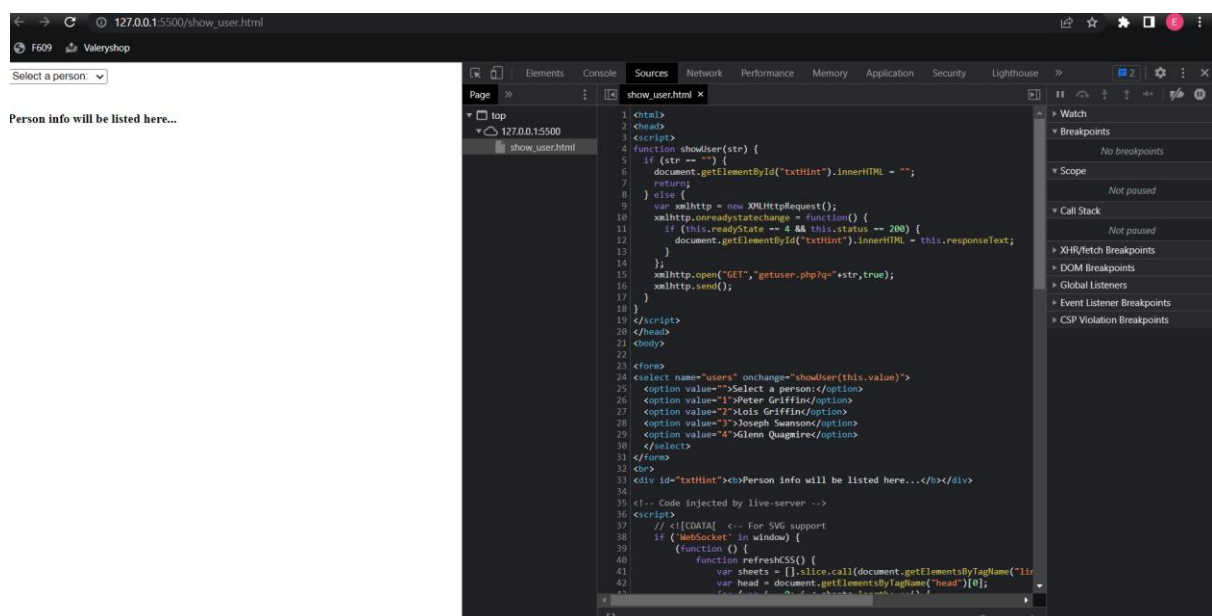
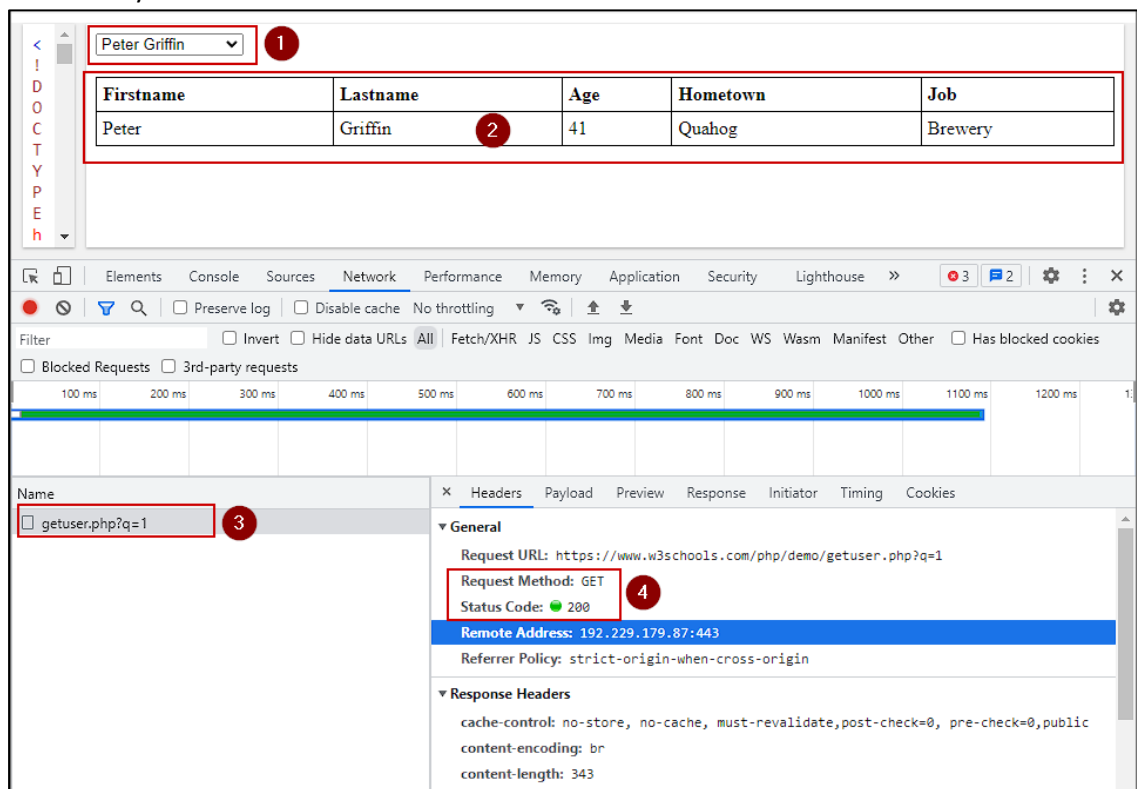
A screenshot of a web browser displaying a table with the same data as the one above. The table has columns for id, FirstName, LastName, Age, Hometown, and Job. The data rows are: (1, Peter, Griffin, 41, Quahog, Brewery), (2, Lois, Griffin, 40, Newport, Piano Teacher), (3, Joseph, Swanson, 39, Quahog, Police Officer), and (4, Glenn, Quagmire, 41, Quahog, Pilot).

| id | FirstName | LastName | Age | Hometown | Job |
|----|-----------|----------|-----|----------|----------------|
| 1 | Peter | Griffin | 41 | Quahog | Brewery |
| 2 | Lois | Griffin | 40 | Newport | Piano Teacher |
| 3 | Joseph | Swanson | 39 | Quahog | Police Officer |
| 4 | Glenn | Quagmire | 41 | Quahog | Pilot |

3. Create a folder named **exercise_1**. For the next tasks, put all the document inside this folder.
4. Create the HTML file as mentioned in the reference. You can name it **show_user.html**.
This HTML will allows you to selects a person in the dropdown list, then the function called **showUser()** is executed.
This page also contains AJAX call to retrieve data from PHP file.
5. Create the PHP file that will be called by previous HTML file. You can name it **getuser.php**.
This PHP file will accept the request parameter *q*, connect to your MySQL server, query the data, and return the result.



6. Try to access the HTML file and select one of the person's name. Shows that the request is successfully executed like this screenshot.



Exercise 2

1. Learn more about jQuery from these references:
 - a. jQuery Introduction https://www.w3schools.com/jquery/jquery_intro.asp

- b. jQuery Get Started https://www.w3schools.com/jquery/jquery_get_started.asp
Import jQuery by using Google CDN (Content Delivery Network)
<https://developers.google.com/speed/libraries#jquery>
The latest version is 3.6.1.
- c. jQuery Syntax https://www.w3schools.com/jquery/jquery_syntax.asp
- d. jQuery Selector https://www.w3schools.com/jquery/jquery_selectors.asp
- e. jQuery Events https://www.w3schools.com/jquery/jquery_events.asp

You can try all the examples in those references.

- 2. Learn more about jQuery Ajax from these references:
 - a. jQuery Ajax Intro https://www.w3schools.com/jquery/jquery_ajax_intro.asp
 - b. jQuery Load https://www.w3schools.com/jquery/jquery_ajax_load.asp
 - c. jQuery Get/Post https://www.w3schools.com/jquery/jquery_ajax_get_post.asp

You can try all the examples in those references.

You will modify your previous project to use jQuery for AJAX call.

- 3. Create a new folder named **exercise_2**. All your next files will be put here.
- 4. Create the HTML file named **show_user.html** that have similar skeleton like previous exercise.
- 5. Create the PHP file **getuser.php**. This is similar with previous example.
- 6. Modify the **show_user.html** so that the AJAX call is using jQuery function.
 - a. Import the jQuery library from Google CDN.
 - b. Change the Ajax request using jQuery Ajax request.
If you need reference how to add GET request parameter, you can refer to this reference: <https://api.jquery.com/jquery.get/>
 - c. Try to access the HTML file and select one of the person's name. Shows that the request is successfully executed.
Replace this sentence with the screenshot of your result.

Submission

Put together these files into one .zip file.

- 1. This report in PDF.
- 2. All your source codes.