**Assignment 5. AJAX**

***Due Date: Sunday, November 1st***

**Objective:** To become familiar with AJAX and exercise HTML, CSS, PHP technologies

**Requirements:**   
Design and implement an application that collects the phone number, first name, middle initial, last name and account number of a customer. You will have two PHP files and a CSS file for styling and a JavaScript file for client side scripting to make Ajax request.

* Your page should contain the following:
  + Page title of ‘*Assignment 5*’
  + your name in a *span* tag with an id of *name*
  + the time and date it is finished in a paragraph tag with an id of *date*
  + h1 tag with the content of ‘Assignment 5’, id of *assignment*
  + h2 tag with the content of ‘Internet Systems Programming’, id of *class-title*
  + Create a form with five input fields :  
    (please adhere to these names or auto-grader will mark incorrect)
    - Three fields for name
      * First Name, input type text, name=”fname”
      * Middle Initial, input type text, name=”mi”
      * Last Name, input type text, name=”lname”
    - Phone, input type text, name=”phone”
    - Account, input type text, name=”account”
* *onblur* of the phone number, Using jQuery, make an Ajaxrequest to look up the customer on the server (PHP file)
  + For a repeat customer, the server will have his or her phone number, name, and account number. The application must fill in the name and account number
  + For new customers, on submit of the form, the phone number, name and account number, must be added to the hash (use session)
    - Last name, middle initial, and first name
    - The phone numbers are simple seven-digit numbers
    - The account numbers are four-digit numbers that do not begin with zeros
  + Example JSON Object as Hash value:  
    “1239876” => '{"lname": "McFly", "mi": "A", "fname": "George", "account": "1234"}'
* The server-side response must return JSON data that contains the names and account numbers as properties
  + Example:   
    {"fname":"George","mi":"J","lname":"McFly","account":1234}

**Grading:** The total score is 25 points and your code will be graded on its correctness. No points will be given if code does not run at all.

Form markup (HTML) and style (CSS) is present 🡺 5 points   
Phone number handles onblur to make AJAX call using jQuery 🡺 5 points  
 - Presence of your JavaScript file to handle the onblur   
 - If the phone number is empty, do not make the server side call  
Server Side PHP file is present and is successfully called 🡺 5 points  
Server Side PHP file hash uses correct format 🡺 3 points

Server Side PHP returns JSON 🡺 3 points  
Repeat customer (one in the hash) data is correctly auto filled 🡺 3 points  
Non-repeat customer (one not in the hash) is properly handled 🡺 1 point

**Submitting your program:** Use the Pausch server to submit the assignment.

1. Create the new folder Assignment5 in Assignments.
2. Upload your files (\*.html, \*.css, \*.js, \*.php) to Assignment5.
3. In SpringBoard submit both URLs for the HTML form and the PHP server.