CS545 Fall 2015
Project #2
Forms, Javascript, jQuery

200 Points

Due Date/Time:

Your project is due on Thursday, October 8th at 4:00 P.M. San Diego time. Your project must be published in your class account on jadran and function correctly to receive credit for the assignment

The Project:

For this assignment, you will create a web site that lets users sign their children up for programs with the fictitious **Happy Days Summer Camp**. The project will be split into two parts. First you will create the client side code, using HTML and JavaScipt (and jQuery). For the second part, you will write the server side code which will include PHP for scripts and MySQL database system. In part 2 you will also add AJAX to the project.

You should feel free to make up any additional details that may be needed.

Your project will consist of the following:
- A main html landing page, index.html, with information on the camp programs and a link to enroll a child.
- A signup page. This page has the following fields:
    - Program selected
        - Basketball Camp
        - Baseball Camp
        - Physical Training

- Band Camp
- Swimming
- Nature Discovery
  - Parent Info:
    - Parent or primary guardian: First, Middle, and Last Name
    - Relationship to child: Father, Mother, Guardian
    - Address, two lines for address, plus City, State, and Zipcode
    - Home phone, and Cell phone
    - Email address
  - Child Info:
    - First, Middle, and Last Name
    - Name the child goes by
    - Photo of child (upload an image of the child)
    - Gender
    - Date of Birth
    - Medical Conditions (use a textarea)
    - Special Dietary Requirements
    - Secondary emergency contact (name, and phone number)
- For part 2, you will need a confirmation page, giving the above information, plus a confirmation that the user has been registered to participate. But for part 1, you should use action="~jadrn000/echo.php" in your form tag.

You should design your input page to maximize data correctness, and ease of use for the user. You should validate (with JavaScript) as much as is possible on the client side. Some validation must be done on the server side. For instance, it is not possible to prevent duplicate enrollments without server-side validation. Think carefully about where validations should happen.

The server-side code and AJAX will be in part 2 of this assignment, but is not done for part 1.

You should have a landing page (index.html) which has a link or button to enroll a child in camp, and the enrollment page which will contain the form. you will need additional pages for part 2, but these may easily be added later.

You will have the following:

1. Landing page (index.html) - html part 1
2. Enrollment Form - html part 1
3. Confirmation page - php part 2
4. Error page - php part 2
5. report - php part 2

Additional Details:

- The above specifications are the minimum requirements. You may do more if you wish.
- Children may enroll in one or many camps as the camps are not concurrent
- Children must enroll in the same program more than once (no duplicate enrollments).
- Children must be between 7 and 16 years of age inclusive as of June 1, 2016.
- Family relationships are often complicated these days. For simplicity, every child will have single primary parent.
- All pages in your project should have a clean, professional appearance.
- The tools you may use are: xhtml (strict or traditional), html 5, css, JavaScript, and jQuery. html5 is recommended. No other tools may be used without permission (No wufoo forms, no bootstrap etc)
- You may not place any styles in your html code; use a .css file for this.

Project Submission:

For this assignment, you must place your project in a directory named proj2 (which you must create) in your public_html directory in your assigned class account. The main page, or entry point, must be a file named index.html. Your project must be published and visible in your assigned class account and accessible by the following URL pattern:

```
http://jadran.sdsu.edu/~jadrnxxx/proj2
OR
http://jadran.sdsu.edu/~jadrnxxx/proj2/index.html
```

IMPORTANT: You will not turn in anything for project assignments. Thus, so that I know that your project is complete and ready for grading, you must create an empty file in the same directory as your project entry point named finished. Create this file by using the unix command touch [filename]. Example:

```
jadrn000@jadran:~/public_html/proj2> touch finished
jadrn000@jadran:~/public_html/proj2>
jadrn000@jadran:~/public_html/proj2> ls -l

-rw-r--r-- 1 jadrn000 users 0 Sep 17 10:00 finished

jadrn000@jadran:~/public_html/proj2>
```

If you later discover that you need to do additional work on your project, make sure that you delete this file from your account. You may do this with the unix command rm [filename]. Example:

```
jadrn000@jadran:~/public_html/proj2> rm finished
jadrn000@jadran:~/public_html/proj2>
jadrn000@jadran:~/public_html/proj2> ls -l
total 0
jadrn000@jadran:~/public_html/proj2>
```

At any time after the due date, your instructor may grade the project if a finished file is found in your account. In that case, no resubmission or regrade will be permitted.

Grading:

Correct and appropriate use of html, css and JavaScript are the primary focus. Additionally, all pages should have a clean and professional appearance. Pay particular attention to the layout of your form.

Cheating:

Just a reminder here. Collaboration is not permitted for this course. You are expected to complete all project assignments **on your own**. You must write all xhtml, css and php code on your own. You may **not** use any code generation tools (Dreamweaver, Frontpage etc). Collaboration with anyone, or use of code generation tools is considered cheating. If you adapt or copy code from the Internet, be sure to cite the source. This should be limited to specific techniques. Any student caught cheating on the projects or a midterm exam will receive an "F" in the course, and a report will be filed with the University.