CSIS 3280 Lab 04-001: Web Application with File IO

- Copy all your Lab 03 files into a new Lab 04 folder
- Download the template code and extract it in the Lab 04 created in the previous step
- Modify the form application you made in Lab 3 such that the submitted form data will be appended to a text file named as feedback_ABcXXXXX.txt. An example text file is given in the data folder.
- Create another php web application to allow user to view the current data in the feedback file stored in the server, or from another file that is uploaded to the server

Introduction

In this lab, you will create a file processor for the data from the form that you have created in Lab 03.

Requirement

1. All the functions need to be coded in their respective include files
2. You can not change the function signature in the include files
3. You need to define the repository or documentRoot location to save the text file data or upload a new file. You must use the data folder inside the Lab04 folder as the repository.
4. Modify the inc/html.inc.php by adding two new functions named as displayFileForm() and displayTable($fileName). These additional function will be used by the Lab04.php file (see the description of these functions below). Note: Remember to name your Lab04.php file according to the naming convention
5. You cannot modify any functions that you created in Lab03, except for the displayThankyou() to add an additional line of message as shown in the figure below.
6. You cannot add any additional functions except for the ones listed below
7. The file upload can only accept the text/plain format. You have to rename the uploaded file with the following convention "ABcXXXXX_".$id . "_" . $originalName. The $id is the UNIX timestamp when the the file is being uploaded, while the ABcXXXXX is the lab naming convention you use.
8. If the file upload was not successful, or the user does not upload any file (but submit the file form), your app should display the data from the feedback file described at the top of the page.
9. You need to use a loop to display the data in the table. You cannot use a list construct when reading the file as we did in the hands-on. You need to use a loop to create the <th> or <td> of the table.
10. You need to use the appropriate table elements as shown in the Lecture 4 demo code.

Functions

displayFileForm() – Display the form where user can upload a file
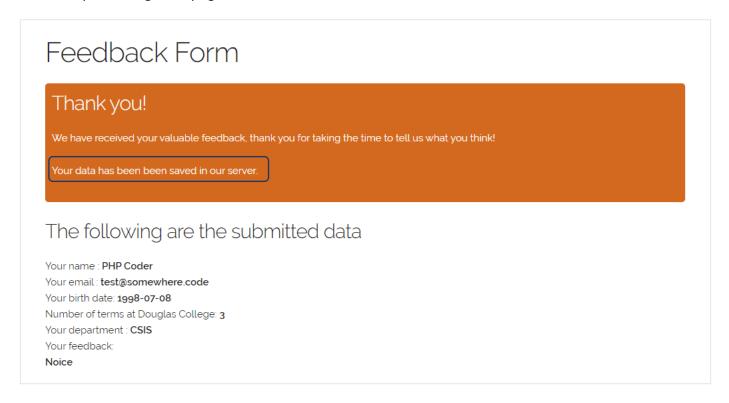
displayTable($fileName) – Display the data table from a file that is either available in the server, or the one uploaded by the user

writeData($fileName) – Append the submitted data into as a comma separate values in the feedback file described at the top of the page
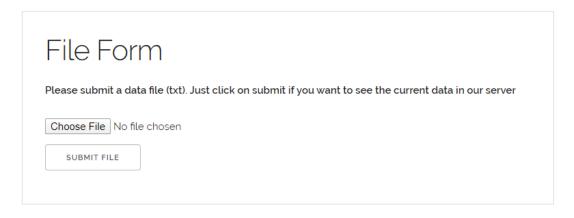
processUpload(&$fileName) – Tries to upload a file submitted from the form of the Lab04.php and return the error message. In case of a successful upload, the function will modify the $fileName to be used by the other function, displayTable()

Figures

The thank you message notifying that the data has been saved in the server

Feedback Form

Thank you!

We have received your valuable feedback, thank you for taking the time to tell us what you think!

Your data has been been saved in our server.

The following are the submitted data

Your name : **PHP Coder**
Your email : **test@somewhere.code**
Your birth date: **1998-07-08**
Number of terms at Douglas College: **3**
Your department : **CSIS**
Your feedback:
Noice

Lab04 display before the form is submitted

File Form

Please submit a data file (txt). Just click on submit if you want to see the current data in our server

Choose File | No file chosen

SUBMIT FILE

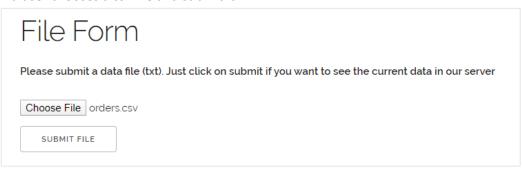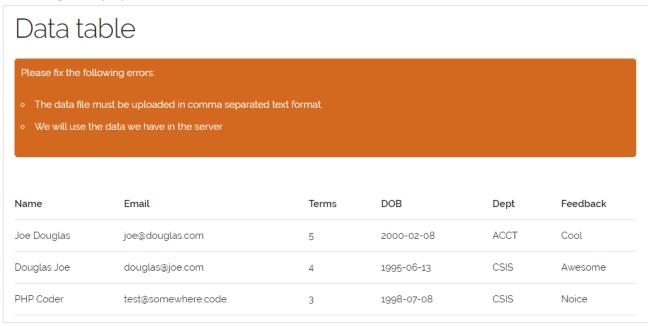The form was submitted without any input data (notice the error messages). Therefore, the current data from the feedback text file is displayed in the table below. Notice the new entry from "PHP Coder" that was submitted in the first figure. Also notice the change in the page's heading.

Data table

Please fix the following errors:

- There was a problem with the upload. Error code 4
- We will use the data we have in the server

Name	Email	Terms	DOB	Dept	Feedback
Joe Douglas	joe@douglas.com	5	2000-02-08	ACCT	Cool
Douglas Joe	douglas@joe.com	4	1995-06-13	CSIS	Awesome
PHP Coder	test@somewhere.code	3	1998-07-08	CSIS	Noice

If a user chooses a csv file and submit it …

File Form

Please submit a data file (txt). Just click on submit if you want to see the current data in our server

Choose File | orders.csv

SUBMIT FILE

We will again display the current data from the feedback text file.

Data table

Please fix the following errors:

- The data file must be uploaded in comma separated text format.
- We will use the data we have in the server

Name	Email	Terms	DOB	Dept	Feedback
Joe Douglas	joe@douglas.com	5	2000-02-08	ACCT	Cool
Douglas Joe	douglas@joe.com	4	1995-06-13	CSIS	Awesome
PHP Coder	test@somewhere.code	3	1998-07-08	CSIS	Noice

When the valid file format was entered …

File Form

Please submit a data file (txt). Just click on submit if you want to see the current data in our server

Choose File | more_feedback.txt

SUBMIT FILE

The table will display the data from that file. Note that the file may not have complete data since it was not obtained from a form that was validated.

Data table

Name	Email	Terms	DOB	Dept	Feedback
Jason Gilmore	jason@gilmore.ca	4	2001-08-07	CSIS	Meh
Bob Newhart		3	1999-12-08	ACCT	I know right
Carlene Ribhurt	carlene@somewhere.com	1	2000-02-08		It's OK

LAB/ASSIGNMENT PRE-SUBMISSION CHECKLIST
- Did you follow the naming convention for your files?!
- Did you follow the naming convention for your folder?!
- Does your submission work on a lab computer?!
- Double check **before** submitting