CSIS 3280 – Assignment #1 – PersonBook

Solution

The flow of the program is as follows:

- The program will present a page to the user to be able to scroll through People in their book.
- The program allows the user to delete people, update people and move to the next person.
- If the user does not change the email address they will update the current record, if the user does change the email address the program will add a new Person.
- The program notifies the user if validation fails or of any CRUD operations. The program should also notify the user if an operation failed.

Requirements:

1. The app can only read off of one CSV file
2. The app must update the file as the form allows
3. If there are any input errors or problems with the file the program should notify the user.
4. You must use a Person Class
5. You are not permitted to have any HTML other than what is in your Page class.
6. When a user is deleted the next user must be displayed
7. The user must be able to navigate the people in the PersonBook by using the "Next" and "Previous" buttons.
8. You must use the structure of the CSV file, you may not modify it.
9. The user must be able to continually scroll through all the Persons in the book.
10. You user must be prevented from creating people with matching email address.
11. All the users actions must access one file only via the web browser.
12. You may not use PHP sessions. Or any super global variables for storage other than $_SERVER, $_POST and $_GET.
13. When submitting your assignment ensure that you place both you and your partner's name and student number in the submission comments.**Students who's names do not show up in the assignment submission comments will not receive any marks for the assignment**
14. **Your program must not display any errors or warnings.**

The following classes and file stucture must be observed:

Filename	Description
Assignment1_GroupX.php	This is the controller file for your project it will respond appropriatley to all the GET and POST traffic it receives. This is the only file that the user uses.
inc/config.inc.php	This file holds all the constants for your program such as the path to the CSV file
data/book.csv	This is your data file, I suggest taking a copy of it as you may delete it by accident while testing.

Filename	Description
inc/FileAgent.class.php	This is a static class that handles all the file interations
inc/Page.class.php	This is a static class that contains a class for all the HTML output
inc/Person.class.php	This contains the class definition for your Person
inc/Validation.class.php	This static class is used to validate your form.
inc/Book.class.php	This is the static class where all the logic to deal with the CRUD (People in your book) operations and others for the book reside.

Submission Guidelines:

As this is an assignment please use the Assignment Submission Naming convention instead of the Lab Submission Guidelines.

Submissions will be graded on a sliding scale according the following grid:

Category	Points	Feedback
Project Submitted and files named properly	1	
Program fully commented including classes, functions, and any other logical operations.	2	
File is parsed into People objects, error handling is implemented with the file parsing.	3	
Program structure is adhered to. Classes are used appropriately, include files are used with proper seperation of concerns	5	
Program Interface - Interface is improved upon from the screenshot below, you are permitted to use any HTML framework you would like but you must put a reference in your page class.	1	

Appendix

Below is a screenshot of the form.

Assignment #1 - Group X

first name

Abbe

last Name

de Amaya

E-mail Address

adeamaya2@uiuc.edu

gender

Male

Street Address

18684 Helena Drive

City

Luodian

Country

China

PREVIOUS   SAVE   DELETE   NEXT