CS 3380 Lab Assignment 1

1 Directions

This assignment must be completed by **Sunday**, **September 14th at 11:59 PM**. You must upload your PHP code to Blackboard. The uploaded file should be named lab1.php. Your code must also be hosted on your Babbage account. The TAs will show you how to do this. Your lab 1 submission should be reachable and functional through the following URL:

http://babbage.cs.missouri.edu/~<pawprint>/cs3380/lab1/lab1.php

If that URL does not work you will lose points. To make the grading easier, please include the full URL for your page in the comments when you submit your file via Blackboad. Late submissions will not be accepted.

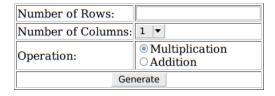
2 Goals

- Learn how to deploy web pages through personal Babbage accounts.
- Learn some basic HTML, including tables and forms.
- Learn how to generate HTML through a PHP script.
- Understand how data is sent from a clients browser to a servers PHP script.

3 Tasks

3.1 Download

For this lab, you will be provided with the HTML for the following page:



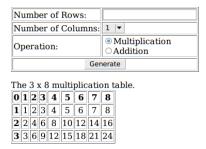
You can download a copy of my starter PHP file by executing the following commands in your terminal:

```
mkdir ~/public_html/cs3380/lab1
cd ~/public_html/cs3380/lab1
wget -0 lab1.php http://babbage.cs.missouri.edu/~klaricm/fs14/cs3380/lab1/download.txt
```

Then, open the lab1.php file in your favorite text editor. Note that you might not be able to copy-paste the above commands. You may need to type them manually into your terminal.

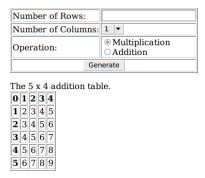
3.2 Implementation

You will be responsible for creating the PHP script required so that, when the user enters a number of rows and columns, the corresponding multiplication or addition table will be displayed. For example, here is the table produced for a 3-row, 8-column multiplication table:



Be sure that the bolded row/column is not shown as all zeros for the multiplication table. If yours is, there's a simple change in logic that can be made to fix the problem.

Here's an example of a 5-row, 4-column addition table:

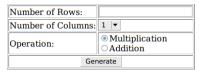


3.3 Error Handling

In addition, you will be responsible for implementing modest of error checking:

- Check that numeric input was entered for the number of rows using is_numeric.
- Check that a positive number was entered for the number of rows
- Check that the "Generate" button was pressed using isset. (The TAs will elaborate on this in lab.)

For example, if a user enters "x" for the number of rows, the following error message should be displayed:



Invalid rows and/or columns parameters

4 Comparison

You can compare your version with a working copy found at: http://babbage.cs.missouri.edu/~klaricm/fs14/cs3380/lab1/lab1.php