

Lab 8 – Forms and Session State

Purpose

- Forms
- Various 'input' Tags
- Session State
- Upload your website to a Web server

Due Date

- This lab is must be handed in:
Friday Nov 20, 2020 – before midnight

Assessment

- This Lab is worth 2% of your total course mark.

Assigned Readings

- **Lecture Slides** posted on Brightspace
 - Module 4 -> Part 1
- The following chapters of **Fundamentals of Web Development** will be useful in completing this exercise:
 - Chapter 4
 - Chapter 13

Lab Supplies

To complete this lab you will require the following lab supplies:

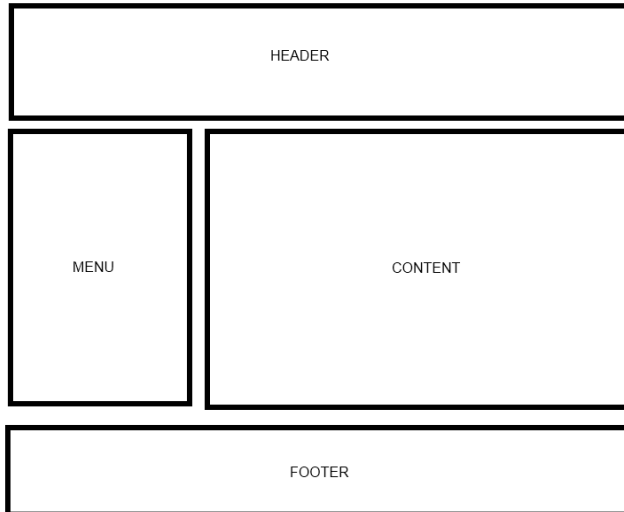
- Lecture Slides (**Module 4 -> Part 1**) and Code Examples (**Form and Session State Code Examples.zip**) posted on Brightspace
- Textbook: **Fundamentals of Web Development** by Randy Connolly and Ricardo Hoar
- EasyPHP, or other WAMP server
- Eclipse, Notepad (or other text editor, or IDE)

Summary of Tasks

1. Develop the logic to display your web application
2. Upload your website to the webserver
3. View your webpage using a web browser
4. Submit Lab Link on Brightspace
5. Submit Source Code of all PHP files on Brightspace

Task 1

Implement the following Design Pattern to create a 'Common Look and Feel' to be used on every page of your website.



Your web site will include the following PHP scripts:

- Header.php
- Footer.php
- Menu.php
- Input.php
- Session1.php
- Session2.php

NOTE: Input.php, Session1.php, Session2.php all must include the Common look and feel implemented in Header.php, Footer.php and Menu.php.

Header.php

Header.php must contain a script to display a Common Header that will appear on every page. The header must display Program Name and Course Name.

Footer.php

Footer.php must contain a script to display a Common Footer that will appear on every page. The footer must contain Student Number, First Name, Last Name, and Email Address

Menu.php

Menu.php must contain a script to display a Common Menu to be show on every page. The menu must contain links to Input.php, Session1.php and Session2.php

Input.php

Create a PHP script that will perform the following tasks:

1. Divide the content area of this page into two sections (Side by Side)
2. On the left side: create a form that accepts the following information from the user
 - a. Text box (`input type="text"`), First Name
 - b. Text box (`input type="text"`), Last Name
 - c. Text box (`input type="number"`), Telephone Number
 - d. Text box (`input type="email"`), Email
 - e. Text box (`input type="date"`), Birth Day
 - f. Radio Button, with the values Student, Doctor, Farmer and Engineer
 - g. Select, a multiple select box that lists favorite sports (e.g., Hockey, Football, Carling, Tennis)
 - h. Submit button with the text 'Submit'
 - i. Reset button with the text 'Reset'

The form on the left side **MUST** be designed as below:

Personal information

First name

Last name

Telephone Number

Email

Birth Day

Profession

☒ Student
☐ Doctor
☐ Farmer
☐ Engineer

Favourite Sports

3. On the right side: When the user clicks 'Submit', it should gather all the information from the form on the left side and display the results on the right side

Session1.php

Create a PHP script that will perform the following tasks:

1. Implement the same form listed in **Input.php**
2. This time, when the user clicks 'Submit', it should store all the information gathered from the form in the session state
3. Automatically Redirect the user to Session2.php

Session2.php

Once the user is forwarded to Session2.php, display the results of the information gathered from the session state of the form Session1.php.

NOTE: Forms, Session_RetrieveValues.php, Session_StoreValues.php (Posted on Brightspace) provide examples of how to do all of these things.

Task 2

Create Lab 8 submission folder '**Lab8**' and copy **Input.php**, **Session1.php**, **Session2.php**, **Header.php**, **Footer.php**, **Menu.php** and any other required files (e.g. **css file**) into this folder.

Task 3

Upload your websites for Lab 8 into a Web Hosting Server by uploading '**Lab8**' folder inside the 'public_html' directory of 'SiteGround' Web Hosting domain using DashBoard.

The 'File Upload' instruction is posted on Brightspace ([Course Contents -> Module 1 -> Part 2 -> SiteGround_FileUpload_Instruction.docx](#)).

Task 4

View your websites for Lab 8 using a web browser. Open a web browser and navigate to the following web address:

`http://your_web-hosting_domain_name/Lab8/<filename>`

For example, the sample URL for Lab 8 on an arbitrary web hosting domain is:

rejaulc.sgedu.site/Lab8/Input.php

where '*rejaulc.sgedu.site*' is the name of an arbitrary web hosting domain, '*[Lab8](#)*' is the submission folder for Lab 8, '*[Input.php](#)*' is the homepage of Lab 8.

Task 5

Once you have confirmed that your webpage is available online, you are ready to hand in your lab.

Create a compressed file (**Lab8.zip**) which will contain the following PHP files:

- Header.php
- Footer.php
- Menu.php
- Input.php
- Session1.php
- Session2.php

(N.B. Please keep in mind that **ONLY .zip** file is accepted as the format of the compressed file.)

Create a word document (**Lab8.doc**) in which write the following Information:

- Student Number
- First Name
- Last Name
- The URL, or hyperlink of the home page (Input.php) of Lab 8

To hand in your lab, go to Brightspace and navigate to *Course Content* → Labs and click on 'Lab 8 – Forms and Session State' link. Upload the word document (**Lab8.doc**) and the compressed file (**Lab8.zip**) on Brightspace. Finally, click the 'Submit' button to send the lab to your professor.

IMPORTANT NOTE:

If the URL, or hyperlink, does not direct the professor to the lab you will receive a ZERO for the lab assignment.

IMPORTANT NOTE:

If you do not upload either Lab8.zip or Lab8.doc on Brightspace, you will receive a ZERO for the lab assignment.