CST8257 Web Application Development

Lab 4

Objective

- Understand and use PHP session management.
- Define and use PHP common components

Due Date

See Brightspace post for the due date. To earn 5 points, you are required:

1. Complete the lab as required.

2. Submit your lab work to the Brightspace before the due date.

3. Demo your lab work during the follow week's lab session.

Requirements

This application turns the single page application you developed in lab 3 into a 5-page application consisting of 5 pages; **Index.php**, **Disclaimer.php**, **CustomerInfo.php**, **DepositCalculator.php** and **Complete.php**.

1. Create a PHP page **Index.php** as shown below:
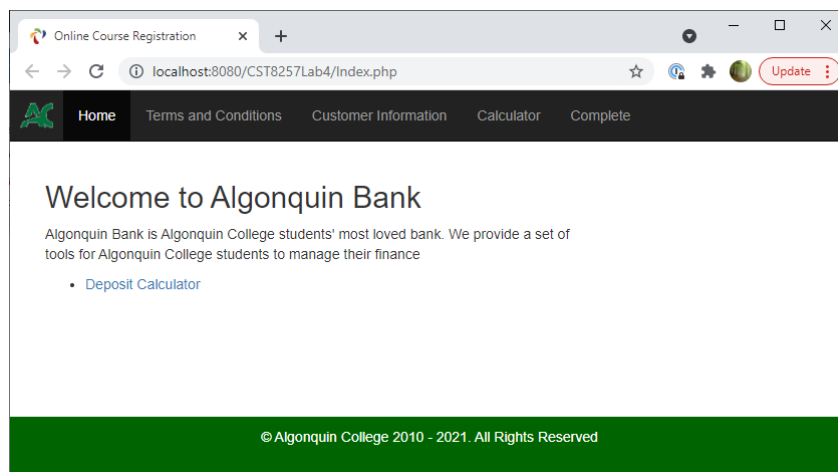
- Apache Web Server uses index.html or index.php as its default page. That is, when the page is not specified in the request URL, the web server will serve index.html or index.php (if index.html does not exist and php engine is installed) to the request.

- The page has a link to the **Disclaimer.php** page.

2. Create a PHP page **Disclaimer.php** as shown below:

3. On this page, the user must check the checkbox "**I have read and agree …**" before clicking the **Start** button. Otherwise, an error message will be displayed as shown below:

4. After the user checked the checkbox and clicks the **Start** button, a new page **CustomerInfo.php** page is shown as below.

- If a user tries to access this page directly, bypassing the disclaimer page, by entering this page's URL into the browser's address field, or clicking the top menu item **Customer Information**, the user should be redirected to the disclaimer page.

- This page collects the user's contact information. When the user clicks **Next >** button, the user entered data subject to the same validation rules as in Lab 3, see Lab 3 for details. If the data fail to pass the validations, the page shows the error messages next to the invalid field(s), for example:

- If the data pass the validation, the user is presented with application navigates to the next page **DepositCalculator.php**

5. Create **DepositCalculator.php** page as shown below:

- If a user tries to access this page directly, bypassing the customer information page, by entering this page's URL into the browser's address field, or by clicking the top menu item **Calculator**, the user should be redirected back to the customer information page.

- When the user clicks **Calculate** button, the input fields subject to the same validation rules as in Lab 3, see Lab 3 for details. If the data fail to pass the validation, the page displays the error messages next to the invalid fields, for example:

- If all fields pass the validation rules, the page displays the calculation results:

- The user entered data should be preserved so that the user can modify one or more entries and click **Calculate** button to get the new results for the modified input(s), subjecting to passing the rule validations.

- When the **< Previous** button is clicked the application navigates to the previous page **CustomerInfo.php** page for the user to modify the entered customer information. The web controls on the page should be pre-filled (-set) with the user previously entered data so that the user only need to modify the entered as needed.

- After the user modifies the customer information on the **CustomerInfo.php** page and clicks the **Next >** button, subject to passing rule validations, the application should come back to this page again with fields pre-filled (-set) with the user's entries before clicking the **< Previous** button.

- When the user clicks the menu item **Complete**, the application navigates to **Complete.php** page

6. Create Complete.php page which is a personalized "Thank You Page", as shown below:

- After showing this page, all the data the user previously enter on **CustomerInfo** page, and the **DepositCalculator** page should be erased from the system so that the user's personal data will not be available to the next user.

- The next user will be redirected back to **Disclaimer** page if he/she tries to access CustomerInfo page, or Calculator page by entering the page's URL or clicking top menu items.

- The next user will have to agree the terms and conditions to be able to use the application.

7. All pages of the application should have a top menu with the following menu items:

- Home – Links to **Index.php** page

- Terms and Conditions – Links to **Disclaimer.php** page

- Customer Information – Links to **CustomerInfo.php** page

- Calculator – Links to **DepositCalculator.php** page

- Complete – Links to **Complete.php** page

8. All pages of the application should have a footer with copy right declaration as shown in the screen captures.

Hint: Study and understand the example **PC Store**. Copy and modify its **Header.php** and **Footer.php** files for use in this lab.