	NAME		
	REGISTRATION NUMBER		MARKS
	CLASS		/100
	SESSION	I 2023/2024	
	COURSE CODE	DFP50193 – WEB PROGRAMMING	
	ASSESSMENT	PROBLEM BASED TASK 1	
	LECTURER		

CLO 1 : Construct the PHP program structure, file and directory handling, database connectivity appropriately in developing dynamic web page that connected to MySQL database. (P4, PLO3)

Topic : 2.5 Construct PHP functions
2.6 Manipulate web form data.
2.7 Construct cookies and sessions.

Duration : 9 Hours

INSTRUCTION: Answer all the questions. This assignment is based on group work with at least 2 members in a team.

Content and sequence of the **REPORT**:


1. Question
2. Rubric
3. Source Code
4. Output – Screen Shot

Question:

You are tasked with creating a login system that allows users to log in using a pre-determined username and password. After logging in, users should be directed to a marks calculation and biodata page that allows them to update their biodata and calculate average marks of their assessments. (CLO1, P4)

Requirements:


1. Create a login page that displays a form with two fields: username and password. The form should also have a "Login" button that submits the form data to the server using the HTTP POST method.
2. The server-side code should validate the user's credentials. If the username and password match the pre-determined values, the user should be directed to the main page. If the credentials are invalid, the login page should display an error message.

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3. Create a marks calculation page that allows users to enter their marks for Lab Task 1, Lab Task 2 and Lab Task 3. When the user submits the form, the server should calculate the average marks and display the result on the page. You can use the following:

Average marks	Display Message	Color codes
80 - 100	EXCELLENT	#00cc00 (green)
60 - 79	NEED MORE EXERCISE	#ffcc00 (yellow)
40 - 59	NEED MORE EXERCISE AND FOCUS IN THE CLASS	#ff3300 (red)
0 - 39	PLEASE SEE ME	#990000 (dark red)
others	INVALID DATA	#990000 (dark red)

4. The marks calculation page should also display the user's username and a "Logout" button that logs the user out and directs them back to the login page. The logout code starts the session, destroys it, clear the cookie and then redirects the user to the login page.
5. Validate all web form data. For the style, you can use CSS to all pages if necessary.
6. Debug any errors that you encounter during testing. Document the program by adding comments to the code to explain the purpose of each statement.
7. Expected output as shown in Figure 1 – 4.

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Username:

 Password:

Figure 1: Login page

Welcome, Mr Lee as guest

[Logout](#)

 Full Name:

 Age:

 Email:


Lab Task for Web Programming

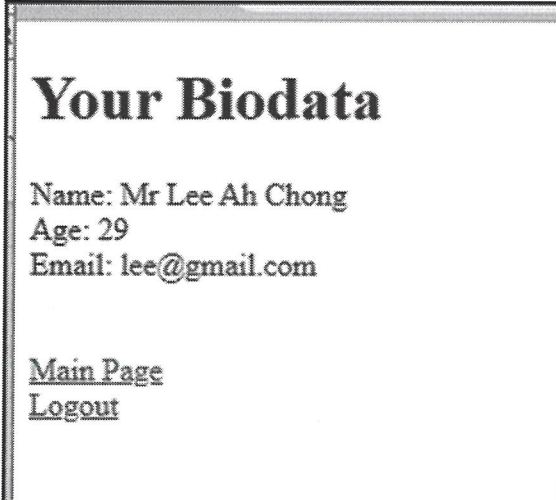
 Lab Task 1:

 Lab Task 2:

 Lab Task 3:

Figure 2: Main page

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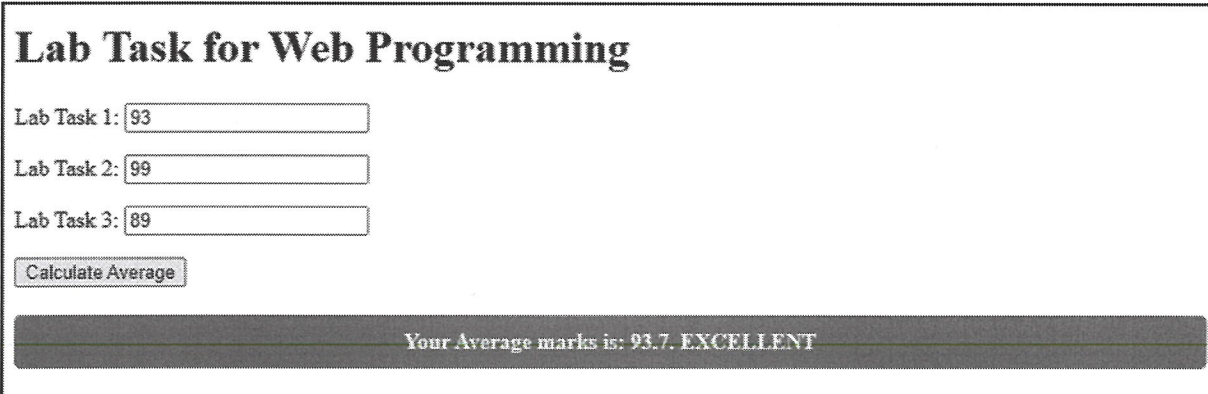


Your Biodata

Name: Mr Lee Ah Chong
Age: 29
Email: lee@gmail.com

[Main Page](#)
[Logout](#)

Figure 3: Biodata page



Lab Task for Web Programming


Lab Task 1:

Lab Task 2:

Lab Task 3:

Your Average marks is: 93.7. EXCELLENT

Figure 4: Sampel output on marks calculation


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Registration Number: 25DDT21F1049


Registration Number: 25DDT21F1025

RUBRIC PROBLEM BASED TASK 1

CRITERIA	4 Excellent	3 Good	2 Satisfactory	1 Weak	Weightage	Score
Functionality	The program meets all of the specified requirements and functions correctly without errors or bugs.	The program meets most of the specified requirements and functions correctly without errors or bugs.	The program meets most of the specified requirements but with errors or bugs.	The program meets some of the specified requirements and functions with several errors or bugs.	$\frac{\quad}{4} * 10 =$	
PHP Function	All the function works perfectly without any problems.	Most of the function generally works well without any problems.	Some of the function works well but has minor issues.	Able to create a function but partially works and has major issues.	$\frac{\quad}{4} * 20 =$	
Form Manipulation and Validation	All the pages works correctly and displays accurate results for user input, form validation and display output.	Most of the page works correctly and displays accurate results.	Some of the page works well or with minor issues.	Some of the page can be executed but with major issues.	$\frac{\quad}{4} * 20 =$	

CRITERIA	4 Excellent	3 Good	2 Satisfactory	1 Weak	Weightage	Score
Cookies	Cookies is correctly implemented and demonstrates a deep understanding of PHP Cookies.	Able to create a cookies but has minor issues.	Able to create a cookies but has major issues.	Able to create a cookies but not function.	$\frac{\quad}{4} * 20 =$	
Sessions	Session is correctly implemented and demonstrates a deep understanding of PHP Session.	Able to create a sessions but has minor issues.	Able to create a sessions but has major issues.	Able to create a sessions but not function.	$\frac{\quad}{4} * 20 =$	
Code Quality	The code is well-organized and easy to read, with clear comments and minimal redundancy.	The code is mostly well-organized and easy to read, but has some redundancy or could be better commented.	The code has some organizational issues or could be better commented, but is still readable and functional.	The code is difficult to read or understand due to poor organization or lack of comments.	$\frac{\quad}{4} * 5 =$	
Timeliness / Completeness	Assignment is submitted on time and includes all required components.	Assignment is submitted on time, but may be missing some required components.	Assignment is submitted late, but includes all required components.	Assignment is submitted late and is missing some required components.	$\frac{\quad}{4} * 5 =$	
TOTAL						

*Zero (0) mark will be given if students do not answer / perform the criteria needed


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