**Practical Lab 5**

**Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q1.** Test the following html and php codes, to write an input into a txt file if the same input does not exist in the file:

1. Create an empty txt file named: database.txt, set the permission as 777
2. Copy and paste the below code to create a HTML file and a php file, such as client.html and server.php, permission as 755
3. Go to titan.csit.rmit.edu.au/~sXXXXXXX/client.html

**client.html**

**<html>**

**<body>**

**<h2>Lab 5</h2>**

**<form action="server.php" method="POST">**

**Enter: <input type="text" name="enter" id="enter">**

**<br/><br/>**

**<button type="submit">Submit to register</button>**

**</form>**

**</body>**

**</html>**

**server.php**

**<html>**

**<body>**

**<?php**

**//Receive input from clint side**

**$input = $\_POST['enter'];**

**//check if the input exist**

**$exist = 0;**

**//read the file line by line**

**foreach(file('database.txt') as $line) {**

**//compare the content of the input and the line**

**if($line == $input."\n"){**

**$exist = 1;**

**break;**

**}**

**}**

**if($exist == 1){**

**echo "The input is exist! <br/><br/>Please enter another one via <a href='client.html'>client.html</a>";**

**}else{**

**//open a file named "database.txt"**

**$file = fopen("database.txt","a");**

**//insert this input (plus a newline) into the database.txt**

**fwrite($file,$input."\n");**

**//close the "$file"**

**fclose($file);**

**echo "The input is added to the database.txt. <br/><br/>Please try to enter the same input again via <a href='client.html'>client.html</a>";**

**}**

**?>**

**</body>**

**</html>**

**Q2.** Test the following php codes, to break a string into an array based on a separator “,”:

**<html>**

**<body>**

**<?php**

**//difine a string**

**$string = "one,two";**

**//break the string based on a separator "," as two parts $a and $b**

**list($a, $b) = explode(",",$string);**

**//print $a**

**echo $a;**

**echo "<br/>";**

**//print $b**

**echo $b;**

**?>**

**</body>**

**</html>**

Think: How to break a string based on a separator? Details can be found in [here](https://www.w3schools.com/php/func_string_explode.asp)

How to compare each of them?

**Q3.** Based on Q1, Q2 and previous Labs,write register.html, register.php, login.html, login.php and users.txt to achieve the following:

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**Expected outcome of Q3 looks like** [titan.csit.rmit.edu.au/~e23700/Lab5/](http://titan.csit.rmit.edu.au/~e23700/Lab5/)

**Register, try:**

1. Clickregister.html
2. Go back to check users.txt.
3. Go to register.html and try to register the same username

**Login, try:**

1. Click login.html
2. Enter the correct username and password
3. Enter the incorrect username or password

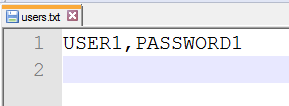
According to above pages, write your own pages.

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**Step 1.** Write register.html, enter the username and password, such as “USER1” and “PASSWORD1”, click “submit to register” button, the form will be posted to “register.php”

**Step 2.** Write register.php to receive information from register.html, and write the username and password to the users.txt file. Please Note: you have to verify if a user with the same username exists in the users.txt already.

Case 1: no exist user with the same username, username and password will be added to the users.txt file, with a separator “,”, and a newline character “\n”



Case 2: an exist user with a same username, the user will not be added to the file

**Step 3.** Write login.html (similar with register.html), enter the username and password, click “submit to login” button, the form will be posted to “login.php”

**Step 4.** Write login.php to receive information from login.html, and compare the username and password.

Hint: 1. receive user entered username and password

2. open users.txt file, read line by line

3. break each line with the separator “,” as two parts

4, compare username and password (Please note: each line contains a newline character “\n”

5. return result (login successful or failure)