**COMP 3540 Advanced Web Design and Programming**

Midterm Exam II – Winter 2017

Student Name: Student Number:

1. (6 marks) Fill in the blanks in each of the following.
2. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ function (or statement) takes all in the specified file and copies it into the file that uses the function.
3. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ statement is used to retrieve rows from one or more tables.
4. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ operator is used in a where clause to search for a specified pattern in a column.
5. During the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of activity, a user works on a web site for a specified period of time.
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is about creating web sites which automatically adjust themselves to look on all devices, from small phones to large desktops.
7. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ function in jQuery is used to read or set the values of form elements such as input.
8. (3 marks) List the three components in MVC with short explanation of their roles.



1. (2 marks) Write the code that makes a connection to a MySQL database.
2. (2 marks) What values will the next code echo?

$x = 'HTML'; $y = 'CSS';

require('m.php');

echo $y . '<br>';

echo $x . '<br>';

// in m.php

$x = 'JavaScript';

Echo $y . '<br>';

Echo $x . '<br>';

1. (10 marks) The Users table has the three columns – Id, Username, and Password. The Questions table has the three columns – Id, UserId, Question, where UserId values are the Id values in the Users table. Using UserId you can check who posted questions.

Write the function that retrieves all the questions that were posted by the user ‘strider’. The code should echo a HTML table code that includes the retrieved questions. You should use the global variable, $conn, to access the two tables. (You do not have to make a connection again.)

Function list Questions () {

$username = 'strider';

$table = '';

|  |
| --- |
| Idea:  Global variable(s);  Get UserId;  Retrieve questions;  Make the HTML table code;  Echo; |

echo $table;

}

1. (4 marks) Complete the JavaScript code that supports timeout when there is no user activity for 15 seconds. You should use two events for checking user activity – mouse movement, key typing.

var timer = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 15 \* 1000);

$(\_\_\_\_\_\_\_\_\_\_\_).\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(function(){

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(timer);

timer = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;

});

$(\_\_\_\_\_\_\_\_\_\_\_).\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(function(){

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(timer);

timer = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;

});

function timeout() {

$.post('controller.php',

{ page: 'MainPage', command: 'SingOut' },

function() {});

}

1. (5 marks) Complete the next code that reads the content of a <p> element and displays it into another <div> element when a particular button is clicked. You should use jQuery.

<p >What a wonderful world!</p>

<div >Message here!</div>

<button id='q7-btn'>Click me</button>

< >

$( ).\_\_\_\_\_\_\_\_\_\_\_\_\_\_(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_() {

var msg = ;

$( ).\_\_\_\_\_\_\_\_\_\_\_\_\_\_(msg);

});

</script>

1. (4 marks) Complete the next code that use two rows. The first row uses 2 columns and the second row uses 3 columns. You should use Bootstrap.

<div class= >

<div class= >

<div class= > ... </div>

<div class= > ... </div>

</div>

<div class= >

<div class= > ... </div>

<div class= > ... </div>

<div class= > ... </div>

</div>

</div>