

Course No: MUL 4323
Course Title: Interactive Multimedia
Application Development 2
Date: 25/03/2014
No. of Questions: (3)
Time: 1hours
Using Calculator (No)

University of Palestine



Midterm Exam
Spring 2013/2014
Total Grade: 30

Instructor Name: Dr. Said Marouf
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One: 10 Points

Specify whether the following statements are true or false:

#	Statement	T/F
1	Server side applications always provide better usability than client side applications.	
2	The placeholder attribute within an input element makes it required.	
3	Web Storage is supported in all major web browsers.	
4	Web Storage is usually limited to 50MB.	
5	Internal CSS style sheets take precedence over external style sheets.	
6	Most real-world web applications use hybrid solutions that mix between server and client side code.	
7	The 3 types of CSS selectors are: HTML selectors, Class selectors, and Div selectors.	
8	In the DOM node tree, every element has exactly one parent node.	
9	In DOM, the nodeName property is read-only.	
10	Every web page must have at least one internal CSS style sheet.	

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Question Two: 13 Points

Write the necessary code for the following:

- a) [7 Points] Using Web Storage, store the information for the following 2 items. You must use JavaScript objects and JSON to do so appropriately. You should also check if the browser supports Web Storage.

Note: Only show the necessary JavaScript code. Do not write any HTML.

	Item Name	Item Brand	Item Price
Item 1	iPad	Apple	499
Item 2	Galaxy S5	Samsung	699

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b) [6 Points] Using HTML5, create a web page that includes the following:

- An input to enter a username. This is required and must be in focus when the page is first loaded.
- An input to enter a password. This is required.
- An input that only accepts numbers from 17 to 24.
- An input to enter a valid date.

For all inputs above you should provide a placeholder where suitable and appropriate. You must show all HTML code for creating the web page.

Note: Do not write any JavaScript or CSS. You will be graded on your syntax.

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Question Three: 7 Points

Answer the following questions

a) [5 Points] Calculate the specificity for each of the following CSS selectors. Which selector has the lowest precedence?

Selector	Specificity
<code>div table .disabled</code>	
<code>#topbanner p .content</code>	
<code>#slider</code>	
<code>.highlighted</code>	

The selector with lowest precedence is: _____

b) Compare between Web Storage and Web SQL within HTML5.