



INSTITIÚID TEICNEOLAÍOCHTA, SLIGEACH
INSTITUTE OF TECHNOLOGY, SLIGO

School of Engineering and Design

Head of School: Mr Shane Fanning

Exam Series: *Semester 2 Repeat*

Academic Year 2015/2016

Module Title:

Module Code:

Client Side Scripting 2

COMP06140

Programme Code(s):	Programme(s) Name(s)	Year(s)	FT /PT
SG_KSDEV_B07	BSc in Computing in Software Development	2	FT
SG_KWDEV_B07	BSc in Computing in Web Development and Creative Media	2	FT

Internal

Examiner(s): *Colm Davey*

External

Examiners: *Damien Costello*

Instructions to Candidates

Time Allowed: ***2 Hours***

Number of Questions on Paper: ***2***

Number of Questions to be attempted: ***2***

Compulsory Question: ***ALL***

Any Other Special Instructions: ***All questions are mandatory.
Submit your work by compressing
all your files into a single zip file (of
the format
FirstName_LastName_StudentID)
and uploading to moodle – also
place all work done on USB drives
provided. THIS EXAM IS FULLY
OPEN BOOK.***

Question 1:

Download the website template 'Repeat Exam' from moodle, under the section marked 'Repeat Exam'.

Write jQuery code in the "script.js" file to perform the following tasks:

- Disable every third link on the index page when the mouse is hovered over the home link (your code should make no assumptions about how many links there might be on the page). Display the links affected by adding them as separate paragraphs within list elements in the ul element which has the "section" class attached **(11 Marks)**.
- When the "About" link is clicked, prevent the default action and reduce the opacity of any images on the home page by 50% **(4 Marks)**.
- If the number 228 is clicked, reduce it by one and display the new number in the same location – do this every time the number is clicked while the page is open **(6 Marks)**.
- When the footer is double clicked, remove it, and when the 'A' key is pressed alert a message stating whether the footer is still present on the page or not **(9 Marks)**.
- When an image is clicked, reduce its height and width by 100 pixels over a period of three seconds **(5 Marks)**.
- When a paragraph in the body is clicked, animate the images to rotate to 45 degrees. Use the jQueryRotate plugin – this plugin has been referenced in the HTML file **(7 Marks)**.
- When the letter 'B' is pressed, move the picture to where the logo is (replacing the logo), but resize as appropriate. Also change the h3 text from "UPCOMING EVENTS" to "COMPLETED EVENTS". Use a jQuery timer to determine how long this task requires **(9 Marks)**.
- When the header is clicked, slide the header up, down, then fade it in and out, each over a period of 1 second. Then fade it out to 25% opacity, and fade it back in, over a period of 2 seconds each **(10 Marks)**.

Note: You are forbidden from altering the HTML page in any way – use attribute, descendant, element or other selectors as required to access relevant elements.

QUESTION 1 TOTAL: 61 MARKS

Question 2:

Create a blank HTML5 page and use JavaScript to create the following shape using the HTML5 <canvas> when the page loads:



The stroke is grey and the fill is black. The dimensions of the various shape components can be decided by yourself as long as the result is similar to the image above. Neither the width or height of the shape should exceed 200 pixels. You are prohibited from using font, fillText() or strokeText(), using any of these will result in a mark of zero.

(39 Marks)

QUESTION 2 TOTAL: 39 MARKS

EXAM TOTAL: 100 MARKS

END OF EXAM