G51WPS Coursework

Deadline: 4 pm, Monday 1 December, 2014
This coursework is worth 50% of the total mark for G51WPS

Your task is to develop a website that allows users to annotate images. More specifically, users should be able to choose an image from an available selection on the website (provide a minimum of 4). They should also be able to load a new image by specifying its URL (e.g. user can type this in a text box). Then they should be able to customise the selected image in the following ways:
– type their own text to be displayed on the image, choosing the font style, size and colour that the text should appear in
– choose a shape to be drawn on the image from a small selection – a minimum of 3 (e.g. speech bubble, circle, rectangle) and adjust its position over the original image
– draw freehand over the image
– one additional customisation feature chosen by you (worth 7%)

Users should be able to dynamically preview what the images looks like.

To develop this website you need to use HTML, CSS and Java Script.
Marks are divided between the following components:

1. Implementation of the dynamic website – 70%
The mark will be based on the following criteria:
▪ Extent to which specified functionality is provided (40%)
- Image can be chosen from available selection
- Image can be loaded by providing URL
- Text can be entered and formatting specified (including font type, size, and colour)
- Predefined shape can be chosen from an available selection and its position over the image adjusted
- Free-hand drawing over the image is supported
- Additional customisation feature
▪ Browser independence of the solution (IE and Chrome will be used for testing) (10%)
▪ Use of valid HTML and appropriate use of CSS for styling (10%)
▪ Usability and aesthetics of the website (10%)

2. Hosting the website – 5%
For most students this means placing your website files in your public_html directory on Avon (or Mersey for MSc students), so the website is accessible with a URL in the form:

http://www.cs.nott.ac.uk/~*yourusername*/*directory*/*file*.html
(e.g. http://www.cs.nott.ac.uk/~bnk/WPS/table.html)

3. Report (about 500 words) – 25%
The report should briefly outline your design of the website (including what additional functionality you have chosen to implement) and then describe the web technologies you have used to implement it, discussing any advantages and disadvantages.

Plagiarism:

You should write the mark-up and scripts required for this assignment yourself. If you directly copy examples found on the web, you should use comments to acknowledge this (and marks will be adjusted accordingly).

Your report should be written in your own words. It is important that you clearly identify and reference any sources of information (including books, papers and websites) that you have used to write your report.

Anyone found to have copied from other students or from sources (such as the web, books and papers) without acknowledgement will receive zero marks.

Submission:

Submit **all files used in the implementation of the website** (html files, scripts, stylesheets, images) + **your report as a zip file via Moodle**.

Specify the exact **URL of the website in your report**. If you don't, you will not get the marks for hosting the website as I will not be able to test this part!
(Make sure that by the deadline you set the correct permissions for all files)

> **Late work will be subject to the School's standard penalty of 5% deduction of marks per working day late.**