

G51WPS Coursework

Deadline: 4 pm, Wednesday 26 March, 2014

This coursework is worth 50% of the total mark for G51WPS

Your task is to develop a website that allows users to design their own stickers and then to place an order for a quantity of these stickers to be delivered. More specifically, clients should be able to customise a sticker in the following ways:

- choose a shape for the sticker – selecting from rectangular or round
- choose an image to be displayed on the sticker either from (a small) available selection on the website or by uploading their own image
- type their own text to be printed on the sticker, choosing the font style, size and colour that it should appear in
- select a colour for the background of the sticker

Users should be able to dynamically preview what the sticker will look like. When a client is happy with the design of their sticker, they should be able to place an order, choosing the quantity they wish to buy, as well as entering their details (including name and address). This information should be stored on the server – either saved in a file or, if you choose to, in a database. When this is done, a confirmation page should be displayed which should include the total price for the order. Assume that there is a fixed price per sheet of 10 stickers of £2.50.

To develop this website you need to use HTML, CSS, Java Script, and server side scripting (we cover PHP and it is expected that most students will use this but if you are familiar with another sever-side technology and prefer to use it, then this is also fine) and possibly a database (e.g. MySQL).

Marks are divided between the following two components:

1. Implementation of the dynamic website – 75%

The mark will be based on the following criteria:

- Extent to which specified functionality is provided (40%)
 - Shape of sticker can be chosen
 - Image can be chosen from an available selection
 - Image can be uploaded
 - Text can be entered and formatting specified (including font type, size, and colour)
 - Background colour of sticker can be chosen
 - Preview of sticker is available
 - Customer details and quantity can be entered
 - Confirmation page appears displaying total price for the order
 - The order data is saved in a file or a database
- Reliability of the solution (consistency and validation) (5%)

- 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. Report (about 500 words) – 25%

The report should briefly outline your design of the website and then describe the web technologies you have used to implement it, discussing any advantages and disadvantages they may have.

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:

1. **Your website must be hosted** so that I can test the server side scripting functionality. 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`)

If you have access to another web server and wish to host your website there instead, then this is also fine.

In any case, specify the exact URL of the website in your report. If you don't, you will not get the marks for the server side functionality as I will not be able to test this part!

(Make sure that by the deadline you set the correct permissions for all files)

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

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