

23COA123 Web Programming

Individual Coursework (100% of the module)

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- **Task**

You have been tasked with developing webpage(s) starting with 'wedding.php' as the initial page for a wedding service company to help their users find suitable venues based on the criteria they provide, including date, party size, and catering grade. You will be working with a given read-only MySQL database.

The client is unsure about the specific information and features needed on this page. Try to incorporate different analysis and employ various filters to offer users deeper insights and facilitate quicker access to useful information in a user-friendly environment. Use creativity and innovation in your design and data presentation. The goal is to present venue results informatively, utilising visuals, charts, and statistics for efficient comparisons and enhanced user insight align with the objectives of the wedding service company.

A minimal approach to this task may achieve up to 40%. Enhancing the interface with creative elements and implementing additional features and functionalities to offer comprehensive insights through statistics and visuals could potentially increase the score to 85%.

Consider using "AJAX requests or Fetch API" and utilise "JSON" for enhanced interactivity and asynchronous webpage updates (15% available for their effective use).

Further Details

- **Database**

You are provided with a (read only) MySQL database on sci-mysql server. You can inspect the database content using phpMyAdmin <https://sci-mysql.lboro.ac.uk/> :

- Server name: sci-mysql
- Database name: coa123wdb
- Username: coa123wuser
- Password: grt64dkh!@2FD

It contains four tables: venue, venue_booking, catering, and venue_review_score. Please note that:

- weekday_price and weekend_price columns represent the cost of booking the venue (£ per day) excluding the catering cost.
- cost column represents the catering cost (£ per person)

- **Coding**

You are permitted to use jQuery, Chart.js, any other free open-source JavaScript libraries that can be directly included in the HTML code, the Bootstrap framework, and the code that was part of the COA123 lectures and labs. All other coding must be your own. If you need to incorporate external data into your work, you can utilise openly licensed free data APIs as a resource.

Please note that you must NOT use any absolute directory in the code.

- **Submission**

All coursework files **must be uploaded to sci-project.lboro.ac.uk** within the coursework folder “**yourstudentidwedding**” (all lowercase letters). For example, if your Student ID is F031234, then the name of your coursework folder on sci-project must be “f031234wedding”. All must be in lowercase including the letter in your student id. This folder must be directly under in your “web” directory. You will receive email alert if you do not have this CW folder when the deadline of CW is close.

For the CW submission, all your files (such as html, php, js, css, and images) must be at the root level of your coursework folder; therefore, you must not create any sub-folder in your coursework folder.

No CW folder or incorrect file naming = Zero marks

Immediately after the deadline, a script will be run which will lock you out of your coursework directory.

If you have any problem with your account on the sci-project server, please contact it.services@lboro.ac.uk .

- **Marking criteria**

You can gain marks for:

- user interface design (e.g., user-friendliness, clarity, informativeness, interactivity, responsiveness, and attractiveness)
- implemented elements and functionalities
- obtaining correct results
- presentation of useful insights that may include the use of statistics and incorporating comparative elements to provide a more comprehensive understanding
- demonstrated creativity and innovation in design and the implementation of features and functionalities
- utilisation of visuals and graphs
- attention to detail (e.g., validation of user input)

Coursework will be marked using Chrome on Windows.

For more details, look into the **Marking Scheme document**.

- **Plagiarism**

The coursework is individual and therefore should of course be your own work. Failure to do so would leave you open to prosecution for Academic Misconduct.

If you have any questions, please ask during your lab practical sessions, or email Dr Hossein Nevisi (h.nevisi@lboro.ac.uk).

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