

Activity

Your task is to develop one or more **scripted Web pages** allowing visitors to express their interest in hiring the services of a professional wedding band which specialises in performing cover versions of popular songs and is located in the Hampshire area. Your solution should:

- ☐ Contain an attractive home page; (
- ☐ Allow potential clients to enter their details and requirements (e.g. contact (details, date of the wedding, special requirements, etc.); (
- ☐ Validate the user's input for some possible omissions (mandatory fields left (blank) or errors (e.g. invalid email address) and get the user to correct any (such problems before letting him/her submit the inquiry; (
- ☐ Store the inquiry in a given MySQL database table (see later) and then show (an appropriate confirmation page having done so. (

Your Web pages should provide a standard and intuitive interface with appropriate positioning of all elements and with an appropriate 'look and feel'. Where necessary, you can make additional assumptions about the required functionality based on the database table design, common sense, and the functionality typically found on similar Web sites. (

Importantly, to avoid any possible confusion, every page you include in your solution must clearly include the following disclaimer: *"Note that this is a fictitious website that was developed by a university student as part of a programming*

assignment. None of the content on this page is meant to be genuine nor should it be taken as such". Also, please do not make any attempt to submit your pages to a search index or to provide any external link to them. (To develop your solution, you will need to use HTML, PHP server-side scripting, and potentially JavaScript client-side scripting (depending on the chosen design). In addition, use of CSS for styling is encouraged. Importantly, your server-side scripts must be designed to run under the existing Web server configuration used to host your personal Web file store (www.personal.soton.ac.uk/username/).)

Furthermore, you are asked to produce a **written report (max. 1500 words)** which briefly outlines and motivates your main design decisions and assumptions regarding the user interface and the use of scripting (e.g. usability considerations taken into account in designing the pages, choice of client-side vs. server-side validation, etc.). This report should also list any sources of information or existing code you used.

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Database specifications

For the purpose of this assignment, a MySQL database named "mgmt_webapp_msc" was created and stored on a university server (lamp.soton.ac.uk), which is accessible on-campus or through VPN. This database contains a table named "inquiries", which was defined as follows:

```
CREATE TABLE inquiries ( inquiry_id INT NOT
NULL PRIMARY KEY AUTO_INCREMENT, submit_date
DATETIME, first_name VARCHAR(35), last_name
VARCHAR(35), address VARCHAR(255), postcode
VARCHAR(8), email VARCHAR(254), phone
VARCHAR(11), wedding_date
```

```
DATE, wedding_location VARCHAR(50), special_req  
TEXT  
);
```

You have been granted the necessary rights to access and update this table under the user name: MANG6180_student, password: tintin1830. An explanation of the table attributes and example values are included in Table 1.

Important note on academic integrity

This is an individual assignment so your markup code and scripts, as well as your report, must be your own work: you are not allowed to copy from other students.

You are of course encouraged to look for useful information sources to support your design choices and reference them. Also, you are allowed to make use of existing frameworks and development environments to speed up development, or you may look for scripting code examples on the Web, in books, etc., and adapt and incorporate individual chunks of scripting code thus found. This is provided that you acknowledge their use and the source, both in code comments and in your written report. However, over-reliance on a single (or few of) such source(s), in so far that there would be little evidence of personal reflection about design and implementation decisions, is discouraged, and marks will be adjusted accordingly.

The written report itself is subject to the same rules and guidelines regarding academic integrity as any other piece of coursework that you submit (e.g., it should be written in your own words, and should properly acknowledge any sources of information used).

Table 1: Inquiries table description

Attribute	Data type	Explanation	Example value
inquiry_id	INT NOT NULL PRIMARY KEY AUTO_INCREMENT	Unique number (generated by MySQL)	1
submit_date	DATETIME	Date & time that inquiry was received	2015-02-05 17:02:46
first_name	VARCHAR(35)	First name	Helen
last_name	VARCHAR(35)	Last name	Smith
address	VARCHAR(255)	Address details	20 Bassett Road, Southampton
postcode	VARCHAR(8)	Post code (note: you can assume use of UK post codes only)	SO17 1AJ
email	VARCHAR(254)	E-mail address	Helen.Smith@hotmail.uk
phone	VARCHAR(11)	Contact phone	02300000001
wedding_date	DATE	Date of wedding party	2015-06-06
wedding_location	VARCHAR(50)	Location of wedding party	Hilton Hotel, Southampton
special_req	TEXT	Special requirements or additional information	We have a few favourites we would like you to cover, mostly eighties stuff. Ok to discuss over the phone? Many thanks, Helen and Stephen

Note that this table is only meant to store inquiries, not actual bookings.

Assessment

Marks will be assigned for the quality of your report (30%) and to the submitted Web application itself (70%). As for the latter, marks will be awarded based on the following criteria:

Extent to which the specified functionality is provided; (

Additional criteria: (

- Fault-free operation;
- Usability and aesthetics of the user interface;
- Use of valid HTML; appropriate use of CSS for styling;
PHP/JavaScript code quality: readability, conciseness, maintainability, etc.

This assignment accounts for 30% of your overall module mark.