

G51DBS – Database Systems

Coursework Description

Due Date: Midnight 25th March 2011

Submission Method: Electronic Submission

<http://support.cs.nott.ac.uk/coursework/cwstud>

CW ID: 374

Deliverables:

cwpart1.doc

cwpart2.sql

index.php

Part 1: Designing the database

This section of the coursework involves designing a number of tables based on a problem specification. The problem specification document can be downloaded from the module website; this document also includes spaces to add images and text for the answers to part 1.

Part 2: Creating the database

In part 2 you will need to implement your design from part 1. To achieve this you will be required to edit the file cwpart2.sql, which is also downloadable from the module website. All instructions and questions have been placed within SQL comments. You will need to add the actual SQL code in the indicated spaces. During marking the code you submit in this file will be executed, so care must be taken to ensure it is correct.

Part 3: Using the database

These questions continue from the database tables and information you have created in coursework parts 1 and 2. Before you begin, you must download and install the website template that you will build upon during the coursework. This includes all directories, php files, images and css files you will need.

You can either download a zip file containing the files from the assessment page of the course website, or you can use the following instructions to download and install the files directly into the correct location on your home directory. Begin by logging onto one of the school Linux servers, then execute the following commands:

```
cd ~  
wget http://www.cs.nott.ac.uk/~mpp/files/coursework.tar.gz  
tar -pxzvf coursework.tar.gz
```

The first line makes sure that you are in your linux home directory, the second downloads the files. Then the third extracts them, preserving the file permissions. After this, you will be able to find your website at `avon.cs.nott.ac.uk/~username/coursework/index.php` and you will be able to edit the files in `H:/public_html/coursework/`

Suggestions

1. All three parts of the coursework are related and logically follow on from one another. Therefore working through Part 1, Part 2 and Part 3 in order will be beneficial.
2. There are a small number of marks allocated for 'neatness' and presentation. Marks are also awarded for appropriate naming, such as using prefixes and capitalisation in MySQL.
3. Your submission for Part 3 only includes your 'index.php' file. For this reason, do not add functions or other code to any other files. If you wish to write helper functions, put them in index.php so they can be run by the marker.
4. You can find information on electronic submission at <http://support.cs.nott.ac.uk/coursework/cwstud>

Late Submissions

Late submissions will be treated as per the university's standard procedure, which you can find at <http://www.nottingham.ac.uk/quality-manual/assessment/penalties.htm>. In short, 5% of your mark is deducted per working day.

Plagiarism Policy

Any material that you submit which is not your own work must be clearly identified as such. This includes (but is not limited to) written text, figures, diagrams, and SQL statements. Any material that is not your own work and is not clearly identified and referenced will be considered a case of plagiarism. Plagiarism will be treated seriously, and will be dealt with through the University's disciplinary procedures. Any code that is directly used to solve the problems of creating, populating, or searching the database must be entirely your own work. Text that is not your own must be identified as such by typesetting it in italics **and** placing it in quotation marks **and** following it immediately by a reference to the source. For example, "*The database is such an integral part of our day-to-day life that often we are not aware that we are using one*" (Connolly and Begg, 2002).