BA in Computer Science
BA in Mathematics and Computer Science
MSc in Computer Science

Michaelmas Term 2019

DATABASES

PHP Practical Assignment 2

Introduction

The Databases practical uses the same database as all the others. Your database should be already set up with data from the previous practical.

Framework

You will be writing a Web interface for a university administrator to *modify* the database. The scripts will be done in the same way as the prior practical. Since you will be modifying your data, you may have to use the initialization script (see the SQL practical) in order to restore your database.

The entry point should allow the user to choose from several administrator services. Each service will consist of a page where the administrator gives some input (e.g. the administrator provides a new enrollment entry to be inserted) followed by a page that tells whether the update went through (e.g. displays "insertion completed successfully", or "insertion not completed successfully because...").

Update Questions

You will create services that allow the administrator to do each of the following:

1. Inserting a new Professor record. Administrator is prompted for a new record for the professor table. Response is as follows: the script should first check if the dname that is being inserted really exists; if not a page saying that there is an error should be displayed, explaining what the problem is. If the input is valid, the insertion should be executed, and if it is successful a page should be displayed stating that the insertion was successful.

2. Delete an entry from enroll table. Administrator is asked for an sid, dname, cno, and sectno. Response is as follows: if the key does not not match any entry in the enroll table, a page should be displayed saying this. If the key does match, a delete for that entry in the enroll table should be executed, and a page should display whether the delete was successful.

Assignment Submission

Again you should hand in documented scripts and an example of output.