
CSL 451 Introduction to Database Systems

Graded Lab 3 Due by March 30, 2015, 11.59pm

Instructions

- You are free to use any scripting language (PHP, Javascript, etc.) for this assignment. The backend has to be PostgreSQL. Import the attached university database into your PostgreSQL server.
- You are allowed to work in pairs to complete this graded lab.
- The submission must be a zip file with the following naming convention - rollnumber1_rollnumber2.zip
- Include appropriate comments to document the code. Include a **read me** file containing the instructions on for executing the code. The code should run on institute linux machines.
- One of the team members can upload the zip file to his/her moodle account.

Develop a simple web interface for accessing the university database that accomplishes the following

1. Displays all relations in the database in a dropdown box.
2. On selection of a particular relation from the dropdown box, all the records in the relation are displayed as a formatted table. At the end of each tuple, there must be two additional buttons/links - delete and modify.
3. Upon clicking delete, the corresponding tuple should be deleted from the relation.
4. Upon clicking modify, all the fields of the tuple should appear as prefilled textboxes that can be edited. At the end of the tuple should be a save button/link. On clicking the save button, the modified fields should get stored and updated in the database. If the foreign key constraints are not satisfied on the update, then appropriate error message should be displayed.
5. At the end of table, include a add tuple button/link that is similar to the modify button/link, but displays empty textboxes for each field of the tuple.