INLS 623 - Assignment 3: Database and Internet Applications/Stored Procedures

Date Assigned: Feb. 11, 2016

Completion Date: Feb 25, 2016 (11:55pm)

Software issues:
If you feel there are mistakes in this assignment, check the web page and Sakai for corrections,

and report them to us if they have not been made.

Database and Internet Applications

1. Create a PHP file named "allCourses.php" that returns all the information from the

    courses table.

2. Create a PHP file named "lecturerInformation.php" that returns the first name, last

    name, and salary for each lecturer.

3. Create a PHP file named "departmentNamesAndCourses.php" that returns the

    department name and course name for all departments.

    a. If there are two courses named Database II in Computer Science, the course

        name, Database II and the department should only show up once.

1. Create an html form named "searchForStudents.html" that enables a user to search for

    students by state.

    a. Use the GET Method

    b. Create a PHP file named "searchForStudents.php" that gets the state from the

        html form and returns the students in that state

2. Create an html form named "enterCollege.html that enables a user to enter a college into the database.

   a. Use the POST Method

   b. Create a PHP file named "enterCollege.php" that inserts a college into the database

3. Create an html form named "getSalaryAbove.html" that enables a user to enter a salary and see all people (first and last name) who are above that salary.

   a. Use the POST Method

   b. Create a PHP file named "getSalaryAbove.php" that gets the salary from the html form and returns all people (first and last name) above that salary

4. Create an html named getSalaryBelow.html" form that enables a user to enter a salary and see all people (first and last name) who are below that salary.

   a. Use the POST Method

   b. Create a PHP file named "getSalaryBelow.php" that gets the salary from the html form and returns all people (first and last name) below that salary.

5. Create an html form named "enterStudent.html" that enables a user to enter a student into the database. (All fields in the people and student tables)

   a. Use the POST Method

   b. Create a PHP file named "enterStudent.php" that inserts a student into the database. (All fields in the people and student tables)

6. Create an html form named "enterAdmin.html" that enables a user to enter an admin and his/her salary into the database. (All fields in the people, admin, and people_salary tables)

    a. Use the POST Method

    b. Create a PHP file named "enterAdmin.php" that inserts an admin and his/her salary into the database.

7. Create an html form named "enterStaff.html" that enables a user to enter a staff member and his/her salary as into the database. (All fields in the people, admin, and people_salary tables)

    a. Use the POST Method

    b. Create a PHP file named "enterStaff.php" that inserts a staff and his/her salary into the database.

8. Create an html form named "assignLecturerToCourse.html" that enables a user to assign a lecturer to a course and section number.

    a. Use the POST Method

    b. Create a PHP file named "assignLecturerToCourse.php" that to assigns a lecturer to a course and section number.

9. Create an html form named "registerStudent.html" that enables a student to register for that course/section number in a specific year and semester.

    a. Use the POST Method

    b. Create a PHP file named "registerStudent.php" that enables a student to register for that course/section number in a specific year and semester.

10. What is the GET method?

11. What is the POST method?

12. Explain the differences between the GET and POST and in what situations you would use them.

Stored Procedures

1. Create a stored procedure named "GetAllCourses" that lists all information from the courses table

2. Create a stored procedure named GetAllLecturers" that lists the first name, last name, and salary for each lecturer

3. Create a stored procedure named "GetAllDepartmentAndCourseNames" that lists the department name and course name for all departments

    - If there are two courses named Database II in Computer Science, the course name, Database II and the department should only show up once

4. Create a stored procedure named "GetStudentByState" that takes as input a parameter. The parameter is the state a student is in. The procedure should list all students from that state

5. Create a stored procedure named "NumberOfPeople" that counts the number of people in the people table and returns that number.

Getting Help

If you have trouble, please post a question on Piazza before contacting me. Before posing a question, please check if this question has been asked before. This will reduce post clutter and reduce our burden. Repeat questions will be ignored by the instructors.

Piazza allows anyone to respond. So if you see a question that you think you can respond to, please do so, as that will reduce our burden and help you "teach" your fellow students.

Good luck!