DBMS LAB (CS355)

Lab Assignment 11

Indian Institute of Technology, Patna

November 2, 2022

Submission Deadline: **6:00 p.m. 02/11/2022**

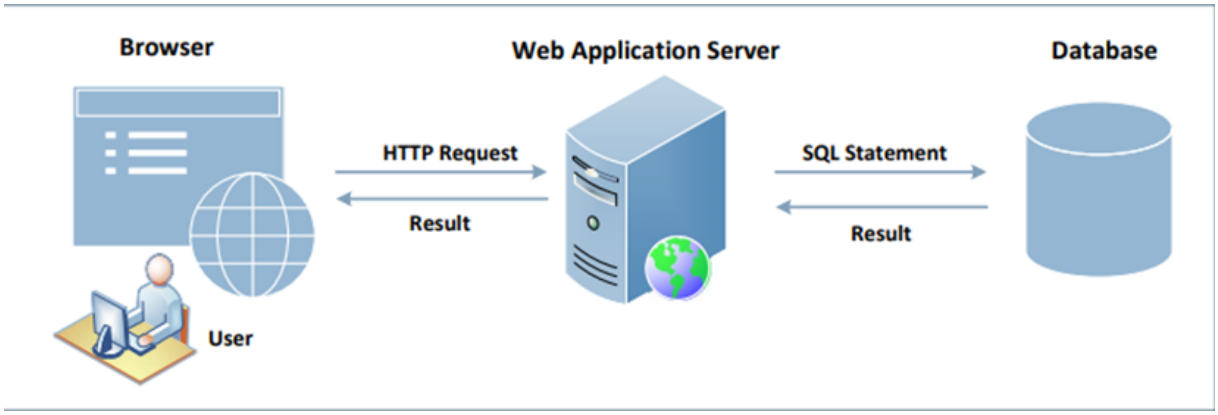
Instructions:

1. Marks will be deducted in the case of plagiarism.
2. Appropriate comments (if necessary) are mandatory.
3. Submission File Name: ***roll_no_Assign11.pdf, e.g.:1501cs11_Assign11.pdf.***
4. Upload your assignment (the text file) at the following link:

https://www.dropbox.com/request/IGn59WWsPIYn0R2xTBWi

Assignment Overview

The basic objective of this assignment is to get familiar with *PHP* which is a server-side scripting language and can be easily embedded into HTML. A web server is required to run any PHP code. Apache server is commonly used as a web server.



As seen in the figure, the users do not directly interact with the database but through a web server. One of the basic reasons for server-side programming is to store client data or look up data stored on

the server Databases give us an easy way to issue commands to insert, select, organize, and remove data. Clients can use web based interfaces such as HTML forms to send requests to the web server and the web server in turn forms the required database queries and can fetch results from the database and provide required responses to the clients

1 Task 1

You need to install Apache, PHP and MySQL if it is not there in your system. By default Apache server is installed in ubuntu system. Use the following command to check the installed version

$ apache2 -v

For installing PHP, you can use the following command

$ sudo apt-get install php

If PHP is already installed then you can check the version using the following-

$ php -v

We assume that MYSQL is already installed in your system.

2 Task 2

Create a student database and create an std table with the following attributes

- stdID: varchar2(10) primary key
- passwd: varchar2(255)
- stdName: varchar2(20)
- DoJ: date
- Age: int
- department: varchar2(20)
- mobileNo: int
- email: varchar2(30)

Insert 5 relevant records into it. Now, create two pages one for registration and another for login. Using the registration page, a new user's credentials can be inserted into the database. While the login page asks for stdID and passwd, and if the correct credentials are provided then all the details of the employee will be available to read. Also, create one profileupdate page This page will ask for the stdID and passwd again. If correct credentials are provided then users will be able to update their mobile no and email only.

Submission

You need to submit a detailed report (***roll_no_Assign11.pdf***) describing the steps you have used for performing tasks 1 and 2. Add the descriptions of the HTML, PHP and databases that you have created. You can add the required screenshots in support of your experiment.

Some useful links

https://www.tutorialspoint.com/php/php_tutorial.pdf

linuxhint.com/php-mysql-tutorial/