Database Project 1

Login Interface Design

Introduction

Implement a simple login interface of Facenote, a simplified version of Facebook, using PHP & MySQL database.

Specification of Login Interface

Program requirements

Implement a basic user login interface using **PHP & MySQL**.

First, create a table "*users*" in "*db_pj1*" database. The *users* table contains following three attributes:

Attribute	Data type	Description
username	VARCHAR(15)	Username
password	CHAR(32)	MD5 encoded password string. Use *md5()* function in PHP to encode passwords
email	VARCHAR(50)	Email of the user

Figure 1 is an example of *users* table. The passwords of *aaa* and *bbb* is "*5566*" and "*12345*", respectively. The "b0c7ae2316c7e8214fd659e4bc8a0dea" is the string generated by md5() function using string "5566" as input.

Figure 1: *users* table

NOTE: all database names, table names, and attribute names should be exactly the same as the description written above, otherwise your program may

not correctly executes in TA's server and you'll get some points of penalty.

After creating the database, implement a user login interface with four pages, "*index.php*", "*login.php*", "*userinfo.php*", and "*logout.php*". The requirements of the pages are described below:

- *index.php*: a simple page for users to enter their username & password. Submit the input to *login.php*.
- *login.php:* verify whether the user is logged in. If username and password are correct, **store the information in PHP sessions**; print a welcome message and a link to *userinfo.php*. Otherwise, print "wrong password" message. For more information about PHP sessions, please check *http://www.w3schools.com/php/php_sessions.asp*
- *userinfo.php:* print the username & email of the logged-in user. If the session is not set, print "you haven't logged in yet" message.
- *logout.php:* Destroy the session of the logged-in user. There are links to this page in *login.php* and *userinfo.php* if a user is correctly logged in.

Figure 2 ~ 5 are samples of the required pages.
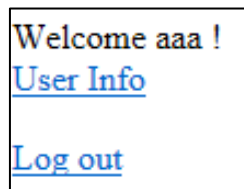

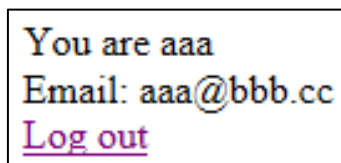Figure 2: index.php

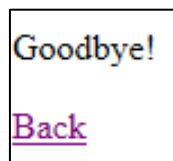Figure 3: login.php

Figure 4: userinfo.php

Figure 5: logout.php

NOTE: **do not** include any image or external URLs in this project.

Testing Environment

- Standard HTML 5, PHP, MySQL languages, without any external library
    - Apache 2.4.2, PHP 5.4.7, and MySQL 5.5.27 or newer versions are recommended
    - Your program will be tested using latest version of Google Chrome
- When submitting your program, please use the following information to MySQL server:
    - **Host**: localhost
    - **Username**: dbuser
    - **Password**: dbuser
    - **Database**: db_pj1

Scoring Criteria

- Correctness 100%

Project Submission

Please pack all your **source code** files (*index.php, login.php, userInfo.php, logout.php ...*) in **studentID.zip** file, ex: *0016789.zip*, and upload to e3. DO NOT UPLOAD/CONTAIN OTHER FILES. The dead line is 23:59, 28 Mar. 2013.

You will get **10 points penalty if you do not follow the submission requirement**.

Demo is not required in this project.

Note

Plagiarism / copy others work are not allowed.

If you have any problem about this project, please contact TA or come to EC 637 for more information.

TA information

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