CS 4413 Web Technologies

Assignment 1

Summer 2016

Deadline and Late Days

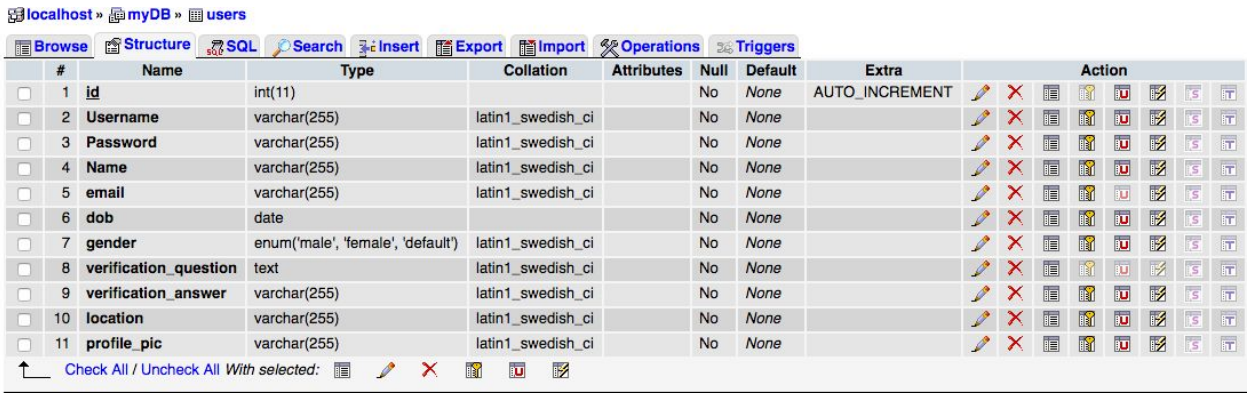
Assignment 1 is due on **June 19th at 11:59PM**. Please see submission details for more information about how to submit. Students are allowed to use up to 4 late days this semester. Students can choose to use all the late days on one assignment or distribute the late days across all assignments (remember that we will have four assignments this semester).

Assignment Details

In this assignment you will continue building features for the class project. We developed a very simple version of facebook in class. Please find the source code of the class project here: https://github.com/amantrip/WebTech/tree/master/Lecture-4. Download this file as a zip.

Develop a Signup Page [25 Points]

A sign up page will similar to the login.html we developed in class. The signup page should consist of a form that takes input based on the kind of information required to fill in the users table. Please ensure that the users table on your local machine matches the following schema:



Password Hashing [20 Points]

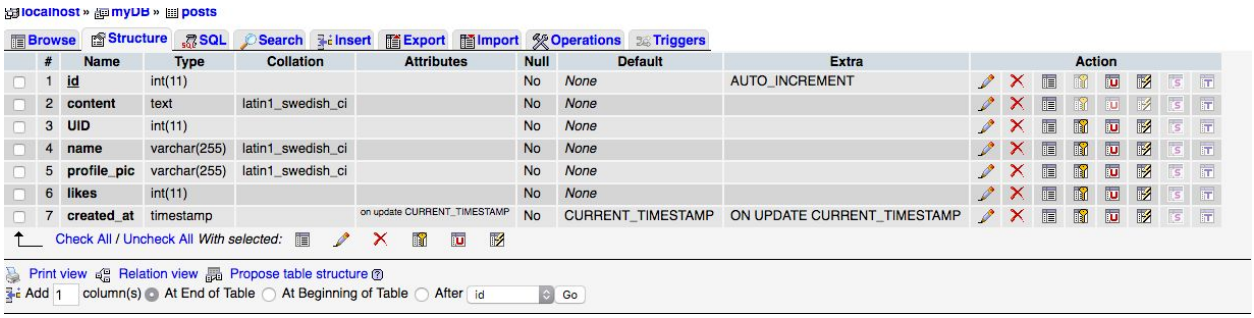
Storing a password as-is is a very bad idea and very insecure. Before inserting a password into the database, it is a good idea to hash the password and insert the hashed version of the password. This link provides some useful information about hashing in php: http://php.net/manual/en/faq.passwords.php.

Also update the login.php file to ensure the php script is checking for the hashed version of the password to authenticate a user.

Develop Comments [30 Points]

Since we already developed posts in class, students are required to develop comments as part of this assignment. First create a new comments table which stores the post ID, comment, the ID and name of the user who posted the comment and a timestamp of when the comment was posted.

Add a new form on feed.php page to accept comments for each post. Additionally query the database for comments for each post and display them below each post.



Sanitize Input [25 Points]

All input data must be sanitized before the input data is inserted into the database. Add the sanitizeString() function (Lecture 4 Slide 6) to functions.php. Ensure that you call this function before inserting any data into the database.

Submission

Students will use blackboard and github to submit their assignments. First create a new repo with the following name: **webtech-abc123.** Create a new folder called **assignment-1** in this repo. Commit your code as you make progress. Only commits before the submission deadline will be considered (unless late days are used). Add the submission checklist (attached to this file) to your repo.

On blackboard, submit a link to your repo and github username.

Submission Checklist

You must complete the “Your status” column of this evaluation and hand in as part of your lab in order for it to be graded. If the item works and you feel it meets the specifications, you can just put a checkmark. If the item doesn’t meet the specification, provide a detailed explanation. If you say the item works and it doesn’t, you may be penalized.

Item	Your status	Evaluation
Signup Page	✔	
Password Hashing	✔	
Comments implementation	✔	
Sanitization	✔	