**COMP 3540 Advanced Web Design and Programming**

**Seminar/Lab 5.**

**MySQL, and User Management in TruQA**

1. **Learning outcomes**

* How to create DB tables
* How to insert rows into tables
* How to select rows
* MVC
* User management

1. **Exercise – MySQL and User Management in TruQA**
   1. Creation of three tables using phpMyAdmin
      * Users
        + UserId, Username, Password, Email, Date
      * Questions
        + QuestionId, UserId, Question, Date
      * Answers
        + AnswerId, QuestionId, UserId, Answer, Date
   * Data type for these columns – UserId, QuestionId, AnswerId

* INT AUTO\_INCREMENT PRIMARY KEY – **Type**, **A\_I**, **Index** on phyMyAdmin
* When you insert a new row, the …Id value should be **NULL**, so that Id values are automatically assigned by the MySQL system. It is because of AUTO\_INCREMENT. E.g.,

$sql = "insert into Users values (**NULL**, '$u', '$p', '$email', $current\_date)";

* + The column, Date
    - The data type is integer, so that you can easily determine which questions/answers are newer than others.
    - Here is an example how to get the Date value for the current date:

$current\_date = date("Ymd"); // E.g., Y means ‘2016’, m means ‘10’, and d means ‘04’.

* 1. Update TruQA so that Join and SignIn can be properly supported with Users DB table.
     + view\_startpage.php
     + module.php
* does\_exist()
* is\_valid()
* insert\_new\_user()
  + - controller.php
    - The functions defined in module.php should be used.

1. **Assignment**

* For this week assignment, you just need to send me the URL of the above web application in cs.tru.ca, not the file, by email. Please include the course number in the email title so that I can easily classify the submitted assignments.
  + - * + The URL of the **controller** in 2)

Due: 6:00 PM, February 9, 2018.

Any late submission will not be accepted.

Total marks: 15

* You should not update the application after you submitted. The information of any update of a file/directory will be left on CS, and I can check the last update date and time.
* The evaluation will be usually one of pass, half-pass, and fail. Most incomplete applications will get fail.