**COMP 3540 Advanced Web Design and Programming**

**Seminar/Lab 4.**

**MVC, and TruQA**

1. **Learning outcomes**

* How to display modal windows
* How to read user inputs
* How to send data to the server
* MVC
* ...

1. **Exercise –MVC**
   1. Considerations
      * There are two web pages – Start and Main.
      * Two web pages are generated using view\_startpage.php and view\_mainpage.php.
      * Controller assumes that user inputs can come from the two web pages.

* A value named ‘page’ will be used to distinguish the two web pages.
* The value of ‘page’ can be ‘StartPage’ and ‘MainPage’.
  + - Both of the two web pages can send a pair of ‘page’ value and ‘command’ values.
* The command values sent from the start page are ‘SignIn’, ‘Join’, …
  + - Controller is implemented in controller.php.
    - When controller.php is initially accessed, no user input will come. In this case the value of ‘page’ will be empty.
  1. Download the exercise files.
* w4\_controller.php
* w4\_model.php – Some functions are defined. They usually access a DB.
  + is\_valid($u, $p) – This function checks if the username and password are valid.
* w4\_view\_startpage.php
* w4\_view\_mainpage.php
  1. The above PHP files include some ‘???’ that should be replaced by a proper string/variable/function/term/statement.
  2. You can start with controller.php, and then model.php. For the last, view\_startpage.php.
  3. Test this simple exercise application with http://cs.tru.ca/…/controller.php. The start page is **NOT** the correct URL.

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 2, 2018.

Any further late submission will not be accepted.

Total marks: 10

* You should NOT use any one of the previous semester assignments.
* 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.