**COMP 3540 Advanced Web Design and Programming**

**Seminar/Lab 9**

**AJAX, Cookie, Session, and Queries in TruQA**

1. **Learning outcomes**

* jQuery AJAX
* Use of PHP cookies, and session management

1. **Exercise 1 –** Cookies and session variables in TruQA
   * Welcome message in StartPage
     + Controller – At the valid SignIn, username can be set as a cookie
     + StartPage – Check the ‘username’ cookie, and use it for a welcome message
   * Session variables in Controller
     + Controller – At the valid SignIn, username can be set as a session variable
     + Controller – When a command comes from MainPage the ‘username’ session variable is read and used
   * Session variables in MainPage
     + Display the username below the title.
2. **Exercise 2 –** Queries in TruQA
   * Two queries in the main page – PostQuestion, and ListQuestions
   * Commands are submitted to the controller from the main page, using AJAX.

Main page -> Controller

* + Commands are executed using the functions in Model. The result data are sent back to the main page, and the data is displayed. Hence the main page is not redisplayed.

Controller -> Model -> Controller -> Main page

* The result for ‘ListQuestions’ that is sent back from Controller is a string.
* Today’s work
  + You SHOULD use **jQuery** AJAX.

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 2,3)

Due: 6:00 PM, March 16, 2018.

Total marks: 10

* The evaluation will be usually one of pass, half-pass, and fail. Most incomplete applications will get fail.