

# Assignment 5 of CS-3715

Due on March 26, 2007

**Note** The assignment must be submitted before 9am, Monday, March 26th in the CS3715 class. The assignment must contain a cover page with the course name, and your student number. Late assignments will not be accepted. For the programming part, source code must be submitted on paper, and with submit-assignment. Source code should be commented in a reasonably informative manner, but not required to be in the javadoc format. For the written part, only hard copy needs to be submitted.

## Written Part (0 marks)

## Programming Part (20 marks)

- “Comments?” – Write an AJAX based web application using servlets with the Jetty servlet container that:
  - displays one image from a sequence of images (only one image is displayed on the page),
  - displays the set of comments posted about each image,
  - provides a next and a previous button to select the next and the previous image,
  - provides a text area and a submit button to add a new comment about the image.

Clicking on the next button advances to the next image in the list. The comments for that image are also displayed. When the last image is reached, the first image will be next. Clicking on the previous button goes to the previous image in the list and the comments about that image. The previous image of the last image is the first image. Submitting a comment and updating the list of comments must be implemented with AJAX.

This application only has to generate one page. All of the content and input will be provided with this page. The set of images should be contained in a `image` directory in the root of the WAR directory structure. Test your application with the images under

[http://www.cs.mun.ca/~yzchen/teaching/cs3715\\_2007w/notes/ajax/img/](http://www.cs.mun.ca/~yzchen/teaching/cs3715_2007w/notes/ajax/img/)

The electronic submission should be placed in the `cs3715-a5` directory. The electronic submission will contain all the HTML, JavaScript and Java files required to run the applications. The `cs3715-a5` directory should contain a `webapp` directory that follows the WAR directory structure. The Java source code should be placed in the `src` directory in the `webapp` directory. The `src` directory should contain a `comp` shell script to compile the application and a `run` shell script to run the application. Test your program using the *Department's* Linux machines thoroughly and `tar` the `cs3715-a5` directory into a single `.tar` file, e.g.:

```
tar cvf a5.tar cs3715-a5/
```

The printed version must provide all of the HTML, JavaScript and Java source files. A printed version showing the contents of the page before a comment is added, and a printed version showing the page with the new comment must be provided. The before version must contain at least one comment.