

## ISIT307 Assignment 4

**To be started in:** week 5

**Due:** by the date specified for the assignment 4 drobox in Moodle.

### Description

The purpose of this assignment is to practise file access. Ideally last week you created a form interface for the entry of an item record for your faceted search collection scenario. This assignment builds on that.

#### *Standard level (2 marks)*

Your web site will support showing the list of all items in your item collection. Your web site will also have a admin mode (a separate web page accessible via a hyperlink) that allows additional item records to be added. This will be done using the form interface you created last week. Subsequent client accesses to your web site via a web browser will then use the extended file when showing the list of all items. Assume there is a continuous series of accesses to your web application (hence its architecture as a web-server based application).

#### *Advanced level (3 marks)*

Standard level plus your application will keep a log file of all user-form-submissions done (i.e. assignment 3 forms). This means whenever a form is submitted, a record of that form submission-validation is added to a log file. Your web site's administrator mode will support display of a summary of this log file that includes the number of forms processed, number of valid and invalid form submissions, valid and invalid counts for each form field. The idea is, this information will help show which parts of the form users have the most trouble with, while also providing general page usage stats. Finally, also support the administrator downloading the log file remotely i.e. through a web browser.

Again, you need to integrate the above into a web application that makes sense for a user, ideally your major project scenario.

### Marking Scheme

Your assignment must be uploaded into the corresponding Moodle dropbox. Your submission will be two files: (i) a PDF file that contains your code and a testing report that demonstrates a number of use cases (ii) a zip file of all your code. Ensure your code is readable i.e. indented properly in both the PDF and text code files. Use a fixed width font in the PDF. Change tabs to 3-4 spaces if needed. Code that is not easy to read will receive a lower mark.

A weak submission (some form functionality has been implemented, but it does not execute) will receive 1 mark. A standard submission will receive 2 marks if correct. An advanced submission will receive 3 marks if correct.