Assignment 1: Xinformatics (Spring 2018) (10% of course grade)
Due: TUESDAY January 30, 2018 by End of Day (11:59pm)
Submission method: LMS
Please use the following file naming for electronic submission:
Xinformatics2018_A1_YOURFIRSTNAME_YOURLASTNAME.doc (or .docx)

> If you do not have access to Microsoft Office, feel free to create your document using software such as Google docs and exporting it as a Microsoft Word Document (File > download as > Microsoft Word (.docx)).

Late submission policy: Without a valid excuse, 20% of score is deducted for each day late. After five days late, the assignment will receive a score of 0. An extension of the due date may be requested by email prior to the time that the assignment is due for valid reasons (e.g. job interview or illness).

Please use one of these two templates: the Basic Use Case (UseCaseTemplate1.doc) or the more detailed use case template (UseCaseTemplate2.doc) included on LMS, when completing this assignment. Also note the two partially completed examples referenced from the reading/assignment/ reference section under week 2 on LMS.

Assignment: Use-case and user requirements development: develop and document an informatics use case – choose a suitable discipline and topic of YOUR interest, perform the analysis of the use case, and list the users (actors) and their requirements. The weighting score for each question is included below. Please use the question numbering (1- 4) below for your written responses for this assignment.

1. Develop the use case
    a. Choose an application area in an informatics area – the content and context need not be an advanced area but should have some non-trivial application in it. If you have questions about your chosen area or need some suggestions (including connections with domain experts), please contact your professor(s). Write a minimum of 2-3 sentences on why you made your choice.
    b. Scope the use case to be as specific as possible, at least for your first iteration. Min. 2-3 sentences on each choice made in scoping.
    c. Document the resources you used in developing the use case, including written and presentation materials and conversations with others. Min. 2-3 sentences per resource.

2. Document the use case using the template (see link above) for each section including the Use Case or Activity diagram. This should include filling in the tables at the end of the document with data, information, and services. Include the completed use case document when you submit your assignment.

3. Perform an analysis of the use case to determine the user (functional and nonfunctional) requirements. Provide a ~ paragraph summary of what you did, and include the artifacts you used (diagrams, links, etc.). Include a list of the functional and nonfunctional requirements along with which actor(s) they relate to. The requirements should be well formed.

4. Describe how you would evaluate if you could meet the goal of the use case including the forms of assessment, questions asked, and suggested means of collecting the data. Min. 5-6 sentences.