

Assignment 2: Xinformatics (Spring 2012) (20% written of overall credit score)

Due: TUESDAY March 6, 2012 (by 12pm ET)

Submission method: email, pfox@cs.rpi.edu and Abigail Fuller fullea6@rpi.edu .

Please use the following file naming for electronic submission:

Xinformatics2012_A2_YOURFIRSTNAME_YOURLASTNAME.xxx

Late submission policy: first time with valid reason – no penalty, otherwise 20% of score deducted each late day. Office hours: Monday 3-4, Winslow 2120

Note: Your report for this assignment should be the result of your own individual work. Take care to avoid plagiarism (“copying”), including all web resources, texts, and class presentations. You may discuss the problems with other students, but do not take written notes during these discussions, and do not share your written solutions. Please use the use case template

(http://tw.rpi.edu/wiki.tw/images/4/48/UseCase-Template_SeS_Fall2008.doc)

when completing this assignment. Also note the two partially completed examples referenced from the reading/assignment/ reference section under week 4 on the web at: <http://tw.rpi.edu/web/Courses/Xinformatics/2012> .

General 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 (functional and non-functional). 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 (4%)
 - a. Choose an application area in some 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. Write a minimum of 1-2 sentences on why you made your choice.
 - b. Scope the use case to be as specific as possible, at least for your first iteration. Write (min.) 1-2 sentences on choices made in scoping.
 - c. Document the resources you used in developing the use case, including written and presentation materials and conversations with others. Min. 3-4 sentences.
2. Document the use case using the template (see above) – this should include data, information and services even though the use case may not be implemented. Include the use case document when you submit your assignment. (6%)
3. Perform an analysis of the use case to determine the user requirements. Provide a ~ paragraph summary of what you did, and provide artifacts you used (diagrams, links, etc.). For this assignment, you will not need to implement a solution to your use case but the requirements should be well formed. (6%)
4. Describe how you would evaluate if you could meet the goal of the use case. Min. 3-4 sentences. (4%)