

CMSC 735
Assignment 4

November 14, 2001
Due November 21, 2001

Propose a reading or review process (method or technique) to evaluate the “quality” of a software requirements document.

Based upon your definition (model) of quality, provide the goal for the evaluation (review) process (using the GQM template), and define the procedure, for evaluating the product relative to your definition of quality.

You may assume you have available to you a set of developers who work for some company and are willing to apply your process and provide you with whatever data you need. Make clear what data needs to be collected and when. Be as specific as possible. For your study you may assume there is old data or that this is the first in a set of case studies. If you need to assume data, you should clearly state, a priori, what data already exists in the organization that you can use. State your assumptions about the data.

To evaluate the effectiveness of your process, write a second set of GQM goals, give the models you are using and the questions, define the metrics and data that need to be collected and when it should be collected, and provide some insights into how you will interpret the data. Make sure they are connected, i.e., that there is traceability from goal to question to metric and back and that you are not collecting any data that you cannot use.

Discuss the effectiveness of your design.

Make clear what factors in the environment should be monitored. Justify your decisions.
Try to be as complete as possible.

You are limited to 4 pages, single spaced.