CS617: Requirements Engineering

Project 1

Due: 3/30/10

You are the project management team for a software consulting organization, RequirementTech. This month you have received a number of requirements documents for upcoming projects. Your job is to evaluate the quality of each document. You are interested in process improvement across your organization, so you will perform a different requirements evaluation for each requirements document. There are four requirements documents now linked off of the course web page. Choose a different requirements evaluation technique for each. When implementing each technique, record the following:

- All meetings held to discuss or perform the technique. List the members present at each meeting, the date, and the meeting duration. You may want to choose one group member to be the meeting records keeper for your group. This page must be signed by each group member.
- The defects found by your technique, including the following for each defect: a description of the defect, the defect type (inconsistency, omission, etc.), the associated requirement(s), the estimated severity, a description of how you might go about correcting the defect.
- A list of questions you would have for your client about the requirements document.
- A 1-2 page summary of the technique including pros and cons, a description of how your team implemented the technique (who played which role, etc.), analysis of whether you felt the technique was effective, and recommendations on how you could perform the technique better in the future.

After performing all four techniques, write up a description of the pros and cons of each technique, whether you would recommend the technique, project domains that each technique might be useful for, and any other observations you have about the techniques used or the requirements documents evaluated. This should not be copied and pasted from the individual technique summaries, but should instead compare the techniques.

Each team member must also individually write up a short (~1 page) description of their and other team members' contribution to the group.

After you have completed the project, prepare a class presentation that describes your findings. The presentation should be roughly 15-10 minutes in length. You will give your class presentation during the last three classes we hold. Each team member must speak during the presentation for at least one minute. Feel free to be creative with your presentation. You may want to re-enact your favorite technique, etc. Be sure to present the results of your analysis including: number of defects found by each technique, top categories of defects found, time spent on each technique, etc.

Notes about the Group Project:

The group project for the course will require you to work together with other students. Each student will be evaluated individually based on their contribution to the project and presentation of project results. Group members are not guaranteed to receive the same grade on the project.

The project will count for 15% of your grade and will be graded on a scale from 1-150 as follows:

Meeting Notes	10 points
Technique Summaries	20 points (5 points each)
Defect Lists	20 points (5 points each)

Customer Question List	20 points (5 points each)
Summary Report for All Techniques	20 points
Presentation Slides	20 points
In-Class Presentation	
Individual Score	10 points
Group Score	10 points
Individual Contribution	20 points

TOTAL: 150 Points