Oral Presentation 2

Date assigned: 21 September 2009

Professor Ho-Jin Choi   Date due: Thursday 24 September 2009

Make a 20 minute presentation on the progress of Project 1. You should submit the PPT or PDF file to your TA before the class begins. This homework is to be done in teams.

Assignment:

In Projects 1 and 2 of this course, each team is required to design a fault protection system for a spacecraft as appeared in the article by Steve Easterbrook et al. [**Eas98**]. (That is, you should read this article carefully in order to understand the requirements of the system, rather than to understand the arguments the authors are making.) Roughly speaking, Project 1 concerns on understanding the problem (i.e., the requirements), and Project 2 on design of the system.

In this presentation (OP2), each team should perform the requirements analysis of the system based on use-case modeling, and present the following:

1. Description of functional requirements
2. Description of non-functional requirements (or quality attributes)
3. Use-case model
    - Use-case diagram(s)
    - Brief description of actors
    - Sequence of actions for each use-case (i.e., use-case specification)

Reference:

[Eas98] Steve Easterbrook, and et al., "Experiences Using Lightweight Formal Methods for Requirements Modeling," IEEE Transactions on Software Engineering, Vol. 24, No. 1, January 1998.