

CSCI 577a, Fall 2002

IV&V Assignments & General Guidelines

Schedule

The following table shows the IV&V specific assignments and the Team Assignments upon which they are based. Unless otherwise instructed by the TA, you are also expected to do the individual homework assignments (e.g. Effort Reports).

IV&V		Based on Team Assignments	
Due Date	Assignment (Points)	Team Artifact (Points)	Due Date
10/04	Evaluation of Prototype (20)	Prototype (20)	09/27
10/07	Evaluation of Win-Win Report (20)	Win-Win Report (20)	09/27
10/09	Evaluation of Early OCD (20) & Evaluation of Quality Report#1 (10)	Early OCD (20) & Quality Report#1 (10)	10/02
10/14	Rose IV&V (60)	Rose Exercise (30)	10/7
10/15	Evaluation of LCO Draft (80)	LCO Draft on Web (15)	10/09
11/01	Evaluation of LCO Package (75)	LCO Package (150)	10/25
11/06	Evaluation of Quality Report#2 (15)	Quality Report#2 (15)	10/30
11/19	Evaluation of LCA Drafts (100)	LCA Drafts (15)	11/13
12/09	Evaluation of LCA Package (75)	LCA Package (160)	12/02
12/09	Individual Critique (160)		
12/11	Evaluation of Quality Report#3 (15)	Quality Report#3 (15)	12/09
Before ARB Presentation	Evaluation of LCO & LCA ARB Presentation (10 + 5 point bonus if in time for the team to update their materials before it is reproduced)	ARB Presentation (15)	Various

Check the 577a Schedule Webpage for any changes to the deadlines.

In general, we've tried to give you a week from the team artifact deadline to produce a report on your evaluation. If you do not have access to the team artifact(s) by their deadline, you must discuss with the team when you will have access. Please copy Ed Colbert (ecolbert@usc.edu) and Mohammed Alsaïd (alsaid@usc.edu) on any related E-mail. If you cannot get the artifact in time, send E-mail explaining the situation to Ed Colbert (ecolbert@usc.edu), and Mohammed Alsaïd (alsaid@usc.edu). We'll evaluate your situation and see what can be done.

Evaluation Report Content

For each assignment (except the Individual Critique), you should produce a report in which you evaluate the team artifact (e.g. LCO Package). You should consider the following:

1. Did the team tailor the CS577 MBASE Guidelines appropriately?
 - a. Did they include the right things (should something be included or removed)?
 - b. Did they document the changes to their exit criteria?
 - c. Is the team's rationale for their tailoring reasonable?

- d. Have they introduced or reduced risk?
2. Given the tailoring, review of content for the following.
 - a. Errors?
 - i. Project Concerns (e.g. missing requirements, incorrect implementation, unsatisfied quality)
 - ii. MBASE concepts (e.g., errors in use of MBASE Guideline).
 - iii. Representation (e.g., use of incorrect UML diagram or incorrect represent of concept)
 - b. Omissions?
 - i. Project Concerns (e.g. unidentified risks)
 - ii. MBASE concepts (e.g., missing something MBASE requires).
 - iii. Representation (e.g., missing diagram, model, or concept)
 - c. What is good?
 - i. Project Concerns (e.g. clear requirement specification)
 - ii. MBASE concepts (e.g., met or exceeded MBASE guidance without introducing risk).
 - iii. Representation (e.g., well represented concept)
 - d. Corrections Made In Revisions (e.g. a document has been revised)
 - i. Are all updates justified by defect lists?
 - ii. Are any non-defect changes justified by other clarifications (e.g. meeting minutes with client)?
3. Are there any model clashes?
4. Feasibility of the solution (e.g. does project look on track, is solution likely to meet goals).
5. What are the 5-10 Concerns that are most critical?

Justify your evaluation.

For each assignment, check the 577 web for specific guidelines.

Evaluation Report Format

The following paragraphs describe the there forms that you need to fill out, each forms purpose and audience.

1. *Agile Artifact Review Form(s)*. Document all errors and omissions found in the artifact(s). The principle members of the audience for this form are your team and customer. The team is expected to address each of your concerns.
2. *An IV&V Model Clash Report Form*. Document all model clashes, their location, and their causes. The principle members of the audience for this form are your team and USC researchers.
3. *An IV&V Evaluation Form*. This is your official report to your customer in which you should explain in terms that your customer will understand: the feasibility of the solution, any good features of which they should be aware, any major errors and omissions, and any critical concerns.

Because this is an instructional situation, you should include good features that might be more technical than are appropriate for the customer in order to show the instructional staff that you can recognize the good as well as the errors. Create separate subsections for “overview” (for the customer) and “technical details”.

Submitting Your Report

When you complete your report,

1. Check your report into ClearCase;
2. Notify your team’s manager and Mohammed of the availability of the report.
3. Schedule a time to discuss your report with your team.
4. Send a copy report to us through DEN via E-mail or FAX (Recommended).

Reports need to be checked into ClearCase and submitted to DEN by the start of class on the due date shown above. (DEN will record the date and time they received your report, and then forward a copy to the class TA. If for any reason your report is not properly checked into ClearCase, DEN will have a copy and their log will show when you submitted your report.)