

## Group X -- Final Report Evaluation

Names

### Sufficient [10 - 13]

- Do they describe the distilled design from the available data? i.e. a UML diagram
- Do they describe the transformation from the old design to the new design based on the requirements and the distilled design?
- Are the code changes tested adequately?
- Are the techniques as seen in the lab sessions applied sufficiently?

### Distinction [13 - 15]

- Scoping: Are refactorings motivated (at design level) in function of the future changes (=target of the reengineering exercise)?
- Are unchosen alternatives highlighted?
- Are the reengineering patterns used in their own process and do they recognize these patterns?
- Is there documentation for the reverse-engineered and the target design (design patterns, architecture patterns, architecture styles )?
- Is there efficient testing in function of refactorings (i.e. more than just blind unit/regression testing)

### Great Distinction [15-17]

- Is the end solution (=refactored design) evaluated with the requirements in mind.  
- they implemented a new feature, made a cost assessment, risk analysis, etc ....
- Are the techniques applied according to a plan?
- Was the application of techniques adapted based on their efficiency? Iterations + not just according to the book, but deliberate use of the most appropriate reengineering pattern.
- Did their process show a deeper insight into the application of the techniques?

### Greatest distinction [17-20]

- Did they reflect on the process and/or the result?
- Did they try to create more efficient variants of reengineering patterns and did they formally document these?
- Was the tradeoff and/or reengineering process reusable to other representative reengineering projects?

### Fine-Grained Criteria Used to determine the grade within the category.

- Scoping - Degree in which the impact on the source code was investigated and limited.
- Reflection - Degree in which the reengineering patterns were used and recognized in their own process.
- Reporting - Degree in which the project report shows a critical reflection on the applied process and translated into a learning process.
- Groups - Efficiency in which the process used the available manpower and how was the process directed.
- Reports - The quality of the previous reports submitted for this course.