

CSE4939W CSE Design Laboratory

Software Quality Analysis (Due Date: February 26)

From any software engineering textbook, there are a number of vital software qualities that need to be considered for any given application. As a result, the analysis of these software qualities for your project is an important step to understanding the potential needs and requirements for your project in both the short term (during specification, design, and development) and in the long term (deployment and maintenance). For this project, you are to analyze your written specification against the software qualities (see Chapter 2 of Ghezzi or other Software Engineering textbook and the PPT presentation on the course web page). Focus on the following qualities:

Performance	Portability	Understandability	Productivity
Reliability	User Friendliness	Robustness	Repairability
Reusability	Maintainability	Interoperability	Evolvability

Split the qualities equally among team members with 2 qualities per team member and choose those qualities that are most relevant for your project. For each quality, discuss:

- Importance and relevance of the quality to your problem/domain.
- The attainment/incorporation of the quality in your specification and eventually in your design and implementation.

For each quality, limit yourself to at most 1/2 page of 12pt, word-processed, single spaced text, or 1 page per team member.