

Exercise: Software quality

Background:

- [Software Quality Models \(1-1.4.3\)](#)
- [ISO/IEC 25010 : Software Product Quality](#)
- [Slides QualityFactors.pdf](#)

This exercise must be done in groups, since it requires quite a lot of discussions.

Each group are responsible for writing down your answers in a way, so you can present your answers to the rest of the class.

Software quality factors

Ranking

Try to rank the software quality factors (McCall and ISO 25010) from most important to least important.

Rankings: 1 = most important, 2 = second most important, etc.

Try to do the ranking of software quality factors with respect to different types of software-based systems

1. Software to control advanced equipment in a hospital.
2. A web shop like amazon.com
3. A banking system used by the customers of the bank (home banking)
4. The Game software in a mobile phone

Put your answers in a table like this. Each cell in the table should contain a number (the ranking). The same number (ranking) can only be used once in each column.

McCall	hospital equipment	web shop	home banking	mobile phone
Correctness				
Reliability				
Efficiency				
Integrity				
Usability				
Maintainability				
Testability				
Flexibility				
Portability				
Reusability				
Interoperability				

ISO25010	hospital equipment	web shop	home banking	mobile phone
Functional Suitability				
Performance efficiency				
Compatibility				
Usability				
Reliability				
Security				
Maintainability				
Portability				