

NONFUNCTIONAL REQUIREMENT CATEGORIES



OPERATION GROUP

Describes user concern for using the functionality. The user perceives the system as a tool to automate tasks.



ACCESS SECURITY

Extent to which the system is safeguarded against deliberate and intrusive faults from internal and external sources



ACCESSIBILITY

Extent to which the software system can be used by people with the widest range of capabilities



AVAILABILITY

Degree to which users can depend on the system to be up (able to function) during normal operating times



CONFIDENTIALITY

Degree to which the software system protects sensitive data and allows only authorized access to the data



EFFICIENCY

Extent to which the software system handles capacity, throughput, and response time



INTEGRITY

Degree to which the data maintained by the software system are accurate, authentic, and without corruption



RELIABILITY

Extent to which the software system consistently performs the specified functions without failure



SAFETY

Degree to which a software system prevents harm to people or damage to the environment in the intended context of use



SURVIVABILITY

Extent to which the software system continues to function and recovers in the presence of a system failure



USABILITY

Ease with which the user is able to learn, operate, prepare inputs, and interpret outputs through interaction with a system

REVISION GROUP

Describes user concern for changing source code or data that drive the system. The user perceives the system as programmed language statements.



FLEXIBILITY

Ease with which the software can be modified to adapt to different environments, configurations, and user expectations



MAINTAINABILITY

Ease with which faults in a software system can be found and fixed



MODIFIABILITY

Degree to which changes to a software system can be developed and deployed efficiently and cost effectively



SCALABILITY

Degree to which the system is able to expand its processing capabilities upward and outward with business growth



VERIFIABILITY

Extent to which tests, demonstrations, and analysis are needed to prove that the system functions as intended

TRANSITION GROUP

Describes user concern for managing the upkeep of the software. The user perceives the system similar to hardware.



INSTALLABILITY

Ease with which a software system can be installed, uninstalled, or reinstalled into a target environment



INTEROPERABILITY

Extent to which the software system is able to couple or facilitate the interface with other systems



PORTABILITY

Ease with which a software system can be transferred from its current hardware or software environment to another



REUSABILITY

Extent to which a portion of the software system can be converted for use in another system

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