

Systems Analysis

Non-Functional Requirements

Requirement Types

- Functional Requirements
 - Describe the application behavior and information that the solution will manage.
- Non-Functional Requirements
 - Describe other properties the system must have that are not application behavior.

A Memory Aid

- F-U-R-P-S
 - **Functionality**, Usability, Reliability, Performance, and Supportability

Usability

- Human factors
- Aesthetics
- Consistency in the user interface
- Online and context sensitive help
- Wizards and agents
- User documentation
- Training materials

Reliability

- Frequency and severity of failure
- Recoverability
- Predictability
- Accuracy

Performance

- Speed
- Efficiency
- Availability
- Throughput
- Response time

Supportability

- Testability
- Extensibility
- Adaptability
- Maintainability
- Compatibility
- Configurability
- Serviceability
- Installability
- Localizability (internationalization)

Documenting NFRs

- Simple list works for 10 or fewer:
 - The system shall ...
 - The system shall ...
- Grouped list works for 11 or more:
 - Usability
 - The system shall ...
 - The system shall ...
 - Reliability
 - The system shall ...