

## A good Software Requirements Specification (SRS)

A **good Software Requirements Specification (SRS)** document should have certain key characteristics to ensure that it is effective and useful. Here are the essential characters or qualities of a good SRS:

### 1. Correctness

- The SRS should accurately describe the system to be developed. It must align with the user's needs and project goals without errors or false assumptions.

### 2. Completeness

- A good SRS should cover all requirements, including functional requirements, non-functional requirements (such as performance, security, and usability), and constraints. No essential information should be missing.

### 3. Unambiguous

- All statements in the SRS should be clear and have one interpretation. Avoiding vague terms ensures consistency in understanding among different stakeholders.

### 4. Consistency

- The SRS should be internally consistent, meaning terms, definitions, and descriptions must not contradict each other throughout the document.

### 5. Verifiability

- Every requirement in the SRS should be testable. This means each requirement must be stated in a way that allows testers to verify whether the system meets the specified requirements.

### 6. Modifiability

- The SRS should be organized and written in such a way that changes can be made easily without negatively impacting the rest of the document. A clear structure and formatting, such as using numbered lists and sections, support this characteristic.

### 7. Traceability

- Each requirement in the SRS should have a unique identifier to enable easy tracing throughout the development process. This helps in managing changes, testing, and validation processes.

### 8. Prioritization

- Requirements should be prioritized based on their importance or criticality, so developers understand which features need to be implemented first or have a higher priority.

### 9. Understandability

- The SRS should be easy to read and comprehend by all stakeholders, including non-technical personnel. Using clear language and avoiding unnecessary jargon helps achieve this.

### 10. Feasibility

- The requirements must be realistic and achievable within the constraints of time, resources, and technology.

#### 11. Concise and Simple

- The SRS should avoid unnecessary complexity or overly lengthy descriptions. Simpler, concise descriptions improve focus and ease of understanding.

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