

# Requirement Engineering :- Requirement Analysis

from Pressman

Analysis Categorizes requirements and organizes them into related subsets

Examine requirements for consistency, omissions and ambiguity and ranks requirements based on the needs of customers/users.

As the Requirements Analysis activity commences, the following questions are asked and answered:-

- Is each requirement consistent with the overall objective for the system/product?
- Have all requirements been specified at the proper level of abstraction?
- Is the requirement really necessary or does it represent an add-on feature that may not be essential to the objective of the system?
- Is each requirement bounded and unambiguous?
- Do any requirements have conflict with other requirements?



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## Requirement Specification

The activity of translating the information gathered during the analysis activity into a document that defines a set of requirements.

Two types of requirements may be included in this document

- **User Requirements** are abstract statements of the system requirements for the customer and end-user of the system.
- **System Requirements** are a more detailed description of the functionality to be provided.

## Requirements Validation

This activity checks the requirements for Realism, Consistency and Completeness. During this process, errors in the requirements document are inevitably discovered. It must be then be modified to correct these problems.



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