

Software Requirements

- Specifying system functionality and constraints
- Chapters 5 and 6 ++

Requirements engineering

- Requirements engineering (or requirements analysis) is the process of establishing:
 - the services that the customer requires from a system
 - the constraints under which it operates and is developed
- A requirement may range from a high-level abstract statement of a service or constraint to a detailed mathematical expression
- Failure here is a major cause of software development failures.

Types of requirements

- User requirements
 - statements in natural language plus diagrams
 - written for customers
- System requirements
 - detailed, structured descriptions of system services
 - written as a contract between client and contractor
- Software design specification
 - even more detail – can serve as a basis for a design
 - written for developers