

Universidad Autónoma del Estado de Hidalgo

Escuela Superior Huejutla





Área Académica: Licenciatura En Sistemas
Computacionales

Tema: Requirement Concept

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Periodo: July / December/2011

Keywords. REQUIREMENTS / ANALYSIS / SYSTEM / INFORMATION





- Tema: Requirement Concept

Abstract

It consists of making a thorough assessment of business conditions, identifying, Business:

- The essential tasks
- Needs
- Ways to optimize or simplify
- Strengths of the current process
- Degrees of change that will be accepted

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CONCEPT OF REQUIREMENT

- Requirement [Glossary [IEEE 610.12]
 - a) A condition or capability that a user needs to solve a problem or achieve an objective.
 - b) A condition or capability that must have a system or system component to satisfy a contract, a standard, specification or other formal document.
 - c) A document representation of a condition or capability as expressed in a) or b).
- Requirement [MIL-STD-498]

System feature that is a condition for acceptance.
- Requirement [Goguen]

Property that a system should have to succeed in the environment in which to use.





- **Objective of the Requirements.**
- Report a condition that must meet the system but at a sufficient level of detail so that from it can implement a solution.
- **Examples:**
 - The system should manage the loans of library books.
 - The system should allow taxpayers to make your tax return through Internet.
- Typically, moderately complex systems is that the goals are organized hierarchically into subgoals at different levels.
- Usually the first level of requirements that are obtained in the development process. Then will refine the requirements for lower level.





Reporting Requirements

Described what information to store the system to meet the goals of higher education.

They should identify the relevant concept on which to store information as well as what specific data are important to the concept to meet the objectives of the system

Example:

The system must store the information on loans made in the library. Specifically, the member who made the loan, the book or books provided, the date on which the loan was made, and for each book borrowed, the date of expected return and actual return date, if it has been produced



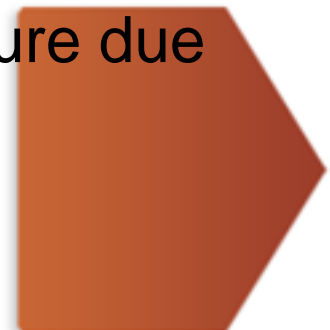


Business Rules Requirements (restrictions)

- Defined constraints, business rules or policies that must be respected by the system to develop.

Examples:

- The system shall meet the following business rule: no system can eliminate the data for a client while he has recorded outstanding invoices or orders waiting to be served.
- The system shall meet the following business rule: a member of the library can not simultaneously borrow more than 3 books at a time.
- Requirements tend to be relatively unstable, ie the penalty for late return or the maximum number of simultaneous loans in a library may change in the future due to changes in library policy.



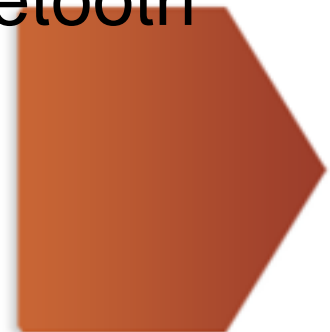


Interface Requirements

They define what the system interface must respect when communicating with other systems.

Examples:

- The system will access the Central Human Resources System through the corporate Intranet using XML Web services are described below.
- The system must be able to communicate with devices with Bluetooth wireless interface





- **Functional Requirements**

- Define the services to be provided by system users to achieve the objectives.

Traditionally have been documented as free text paragraphs, for

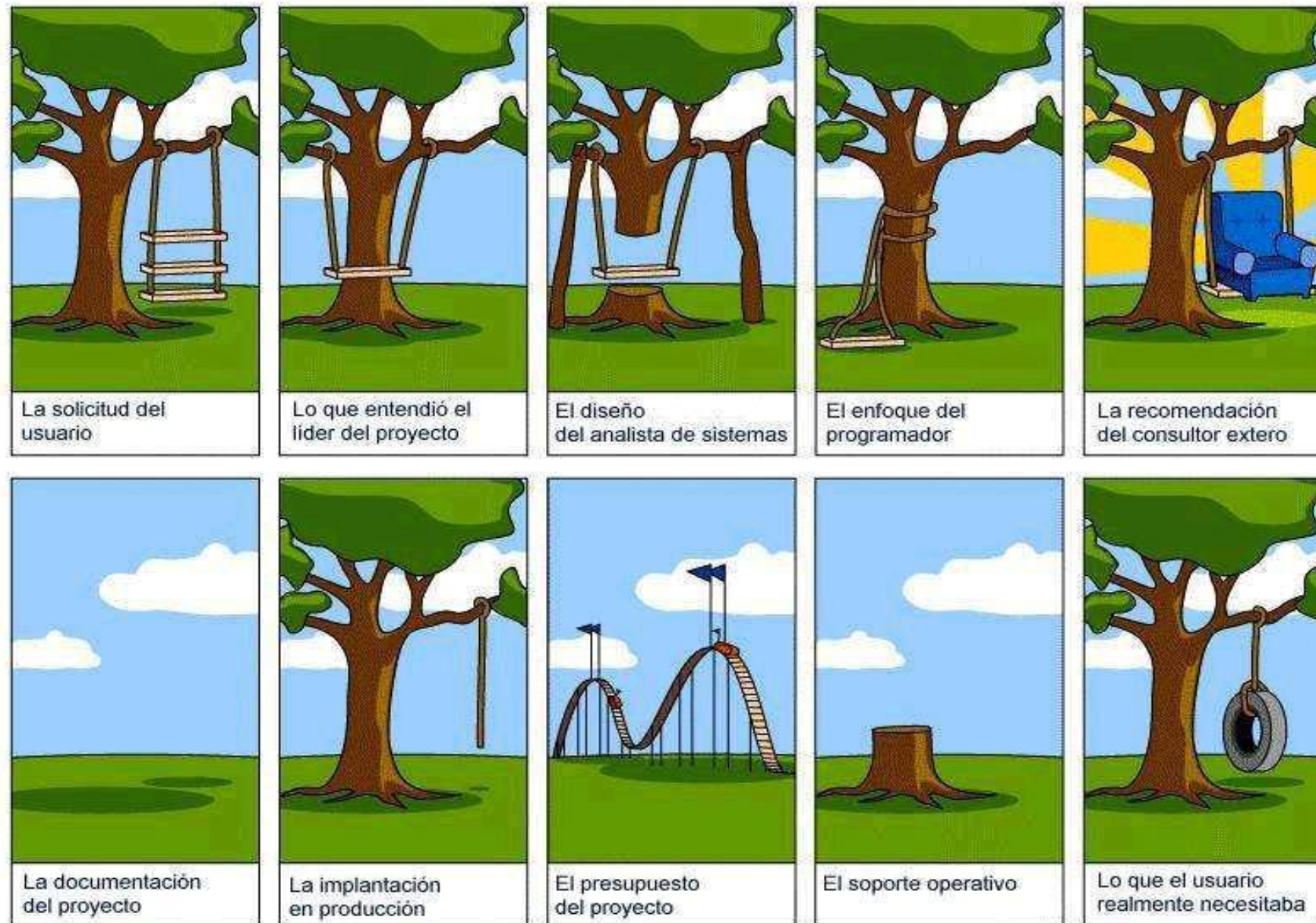
Example:

- The system must print, at the request of users, a list of loans whose term has expired at least one week before the current date.
- It is increasingly common for many of these requirements are expressed by use cases, especially for interactive information systems.





Traditional view of the requirements



Link. http://www.epidataconsulting.com/tikiwiki/tiki-read_article.php?articleId=15 # Objetivos_del_UML_2_0





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