

# System Requirements

# The Business Objectives

- We must understand the business before we try to understand the users.

We must acquire a clear understanding of the overall objectives of the business before we start to explore what the individual users of the system are trying to achieve in their work.

# The Current System

- Understanding the current system is highly important before moving forward with developing the new one.

Unless the system is developed for a new organization we will need to understand how the business is operating at present and how people are working today.

# The Stakeholders

- The stakeholders are the people who have an interest in the new system and whose needs must be considered.

The stakeholders include both the system users and the ones that have a direct interest in the organization for which the system is developed. This direct interest can be either in the form of holding its shares or in the form of fulfilling an highly ranked position in the organization.

# User Requirements

- The user requirements should be well documented in separated two sections:

## Current System User Requirements

Many characteristics and features of the current system will need to be carried forward into the new one. It is highly important to ensure that all data about the current system's users perspective and experience is properly gathered and documented.

## New System User Requirements

The environment in which the organization operates is usually rapidly changing. Being capable optimizing the system towards meeting with the users requirements and at the same time achieving the business objectives is highly important.

# User Requirements Categories

- The information we gather through investigating the working of the existing system or the requirements of the new one should fall into one of the following three categories:

## Functional Requirements

Describing what a system does or is expected to do.

## Non Functional Requirements

Describing aspects of the system regarding questions such as how well it provides the functional requirements. Those questions can be about issues such as performance, anticipated volumes of data, security considerations and others.

# User Requirements Categories

## Usability Requirements

Those will enable us to ensure a good match between the system, its users and the tasks that will be undertaken when using it.

# System Requirements Specification

- The SRS (“System Requirements Specification”) is the document that lists the requirements of the system that is planned to be developed.
- The system analyst is responsible for analyzing the business needs of its clients and its stakeholders in order to identify the business problems and offer their solution via the new planned system.



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