

# CSE 471 - Lab 02

## Requirements Analysis



# Requirement

- What a system must do (Functional)
- Characteristics the system needs to have (Non-Functional)

## Analysis Phase

- Requirements are described from business perspective
- Detailed version of “Business Requirements” from System Request
- Later, turned into technical requirements

# Functional Requirement



- Business users need to perform a task
- Process, system must perform
- Information, system should contain

Example: EMR Management System

Business Requirement -> Patients can schedule appointments online

Functional Requirement -> ?



# Functional Requirement

- Business users need to perform a task
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Example: EMR Management System

Business Requirement -> Patients can schedule appointments online

Functional Requirement -> Process

Search doctors by

- specializations,
- organizations,
- years of experience

# Functional Requirement

- Business users need to perform a task
- Process, system must perform
- Information, system should contain

Example: EMR Management System

Business Requirement -> Patients can schedule appointments online

Functional Requirement -> Information

Retain previous appointment history - upto 3 months

# Non-Functional Requirements



- Characteristics, system should have
  - Operational
  - Performance
  - Security
  - Cultural & Political

Example:

EMR Management System -> ?



# Non-Functional Requirements

- Characteristics, system should have

Example:

EMR Management System ->

Operational -> Mobile devices, IE9

Performance -> Patient data import takes < 2 seconds

Security -> Only doctors can view patient test results

Cultural & Political -> Data centers located in BD

# Format

## Functional:

1. Place online appointment
  - 1.1
  - 1.2

## Non-Functional:

1. Operational :
  - 1.1
  - 1.2
2. Performance :
3. Security :
4. Cultural & Political :

