

# Software Requirement Engineering

## Deliverable of Requirement Analysis:

List of Requirement

Issues in requirements are resolved

Prioritize and tentative schedule for implementation

Stakeholders for all requirements are identified.

Req logically grouped

## Req specification

SE chapter 10

Requirement documents :- process (aspects)

→ readable → make processable

Attributes:-

Ambulance Control system handle 100 calls

Source : R. Thomas (stakeholder)

Priority : Mandatory

Release

Review status: Accepted

Verifiable: - Yes

Verification: By simulation, then  
by system

\* Language of Requirements  
The system

The <stakeholder type> shall be able to  
<capability>  
st functionality

The <admin> shall be able to <deactivate  
the account>.

Requirement Boiler plate

Performance/timeline:-

The <system> shall be able of to  
<functions> <object> within <performance> <units>  
from <event>.



Template 34 The <system> shall <function>

<object> every <performance> <units>

Requirement 398 = template +

<system> = coffee machine

<function> = produce

<object> = a cold drink

<performance> = 5

<units> = seconds

## Criteria for writing Requirements

Atomic :- one function performed

Unique , feasible , legal , clear , precise

Verifiable :- subjective : user happy check how

Abstract :- (How you will achieve) X

→ Only talk about requirements.

Unique :- No one requirement repeat.

feasible :- technically possible

clear :- but , except not use

legal :- law order fullfil

pay through cryptocurrency (restricted  
not possible in  
Pakistan)

## Avoid:-

rambling :- not ~~do~~ have to read like novel

Avoid speculation:

کے لئے جو نہ ہو اور نہ ہو

Avoid vague terms:- user friendly, versable,  
typically

Avoid vague words:- usually, generally

Avoid putting more inf requirement  
like paragraph. (check by word and)

Avoid wishfull things