# Software Requirement Engineering - Assignment 2

### Explain why there is a great deal of variability in the requirements engineering processes used in different organizations?

There are countless number of organizations, which means each must have their own requirements for their “ideal” process, hence there is no universal “Ideal” process, hence different requirement gives rise of variability in requirements engineering.

Some factors which cause variability in requirement processes are:

1. Application Domain.
2. Organization environment.
3. Disciplinary Involvement

### Explain why both coarse-grain and fine-grain activity models of a process should be produced in an organization:

Granularity or Grain-Size means the extent to which a large system or its observations are divided into smalls parts, this includes parallel computing.

Producing these both in an organization helps in managing everything in a very efficient manner and makes the process less complex.

### Explain why waterfall model of the software process is not an accurate reflection of the detailed software process in most organizations.

Waterfall method is a sequential approach, where separate phases are arranged in a linear order.

It is most effective when requirements are clearly defined and won’t change.

But, in organizations it is highly unlikely for requirements not to change, and waterfall model is highly affected by change in requirements.

Hence, it’s not an accurate reflection of detailed software process model in most organizations.

### Why is spiral model more realistic?

Spiral model is more realistic approach to deal with the development of large scope projects on the basis that the product develops as the cycle advances. This easily comprehends the frequently changing requirements of customers, and the best thing is that the engineer and the customer can better analyze and respond to risk at each developmental level.

### Why is it important to understand the roles of people involved in requirements engineering processes?

Ans: Understanding the roles of people involved in requirement engineering processes plays an important role as it helps in developing complex systems and people well aware of their roles can show a great insight in identifying and solving the conflicts and successfully accomplishing the task.

### What factors are likely to be particularly significant when considering requirements engineering process improvement?

Ans: Some objects to be met while considering the requirement engineering process improvement are:

1. Quality of the Process.
2. Schedule and Delivery-Time.
3. Effective use of Resources.
4. Cost-Management.