# Assignment 2

1. **Who are stakeholders?**

Stakeholders are group of people or an individual who is directly or indirectly affected by the success of the project. The stakeholders can be in the organization or outside the organization. During a project it is very important to identify the right stakeholders and communicate them constantly regarding the development. Project manager and business analyst usually play prime role in communicating to the stakeholders. Project Manager is responsible to manage the stakeholder register.

1. **What is a difference between product based and service-based companies?**

Service based is a company which provides software products and services to anyone who asks for it for a price. Services are tailored as per the client’s requirements.

Product based company is a company which makes products which might be/ might not be related to software’s. The products are designed to serve variety of customers.

1. **What are the challenges in the software engineering while implementation?**

A software implementation method is a systematically structured approach to effectively integrate a software-based service or component into the workflow of an organizational structure or an individual end-user.

Challenges while implementation are as following:

* + Software Planning: Insufficient Effort/Optimistic Estimates
  + Software Requirements: Changing, Missing or Unclear requirements
  + Development Team: Losing Key team members during implementation or development
  + Business: Making Decisions and Providing Information
  + Technology: 3rd Party Integrations/Technology
  + Software Reviews: identifying the issues too late in the software

The software industry is extremely complicated and requires project management expertise in areas of software development, software testing and quality assurance, implementation, user security, internal controls, customer relationship management, change management, business processes and many other areas. The V Model can be utilized in the development and implementation process. V-model allows to execute the process in a sequential manner in a V shape. This model is an extension of waterfall model. It is also known as verification and validation.

