**What is Software Testing?**

Process of executing a program or application to find software bugs. We use functional and automation tools

Process of validating/verifying a software program/application

(Testers should test to break approach, not test to pass)

**What is Software Requirements Specification?**

A software requirements specification is a document and this document is contract between the customer and the supplier.

This SRS contains all the requirement of the end user for the application.

SRS can be communication medium between the customer and the supplier.

The developers and testers care the requirements in SRS.

Business Analyst prepares SRS document based on all the requirements of the customer.

**Software Development Life Cycle (SDLC) - What is SDLC?**

SDLC is the steps for creating software or application.

Project Planning

Requirement Gathering (when we plan project we need these informations, we identify risks)

Design (How the application will be create)

Coding (developing) (developers care requirements and write the application )

Testing

Production (deployment)(we release product)

Maintenance (we understand that product is stable, we look customer’s/end user’s report for bugs and fix it)

**Software Testing Life Cycle (STLC) - What is STLC?**

STLC is the steps for testing software or application. İn STLC process we have different activities. These activities improve the quality of the product.

1 - Requirements analysis 4 - Test Environment Setup

2 - Test Planning 5 - Test Execution

3 - Test Designing 6 - Test Reporting

**What is the difference between STLC and SDLC?**

• STLC is part of SDLC.

• STLC is limited with the testing phase. SDLC has vital role for creating a software or product.

• However, STLC is a very important phase of SDLC. Software or product can’t be released without STLC process.

• STLC is also part of maintenance step.

**What is requirement?**

Requirements are based on the expectation of users for the software or product.

Process to gather requirements from client, analyze and document them is known as requirement engineering.

Goal of requirement engineering is to develop and maintain advanced and descriptive SRS Document.