SDLC:

Requirement Analysis

SRS -> Software Requirement Specifications

Design -> 1) HLD 2) LLD

Development

Tester

Deployment

Evolution

Traditional approaches:

V model

Water fall model

Spiral model

Static Testing:

Testing the project related documents Is known as static testing.

In v model in every phase we use static testing

In validation we have system testing, integration testing, unit testing, user acceptance testing – these testing’s are dynamic testing’s.

Verification and validation:

Verification is checks whether building the right products and whether we followed the process crtly or not, and it mainly focus on the documentation, verification typically involves review, walkthrough or inspection

Validation happens once the product is implemented It checks whether we are building according to the customer requirements, its checks after the verification phase i.e, completeion of project.

Modern Approches:

Feature Driven Deployment:

Agile:

SCRUM Team –> product owner, Scrum master, development team, quality analyst(QA).

In Scrum Terminology ->

we have user story,

EPIC(Collection of user stories)also knows as product backlog(list of user stories),

\*\*Sprint it is a period of time declaring some features out of complete list and having a certain time(period of time to complete the user stories decided by the product owner and team usually 2 to 4 weeks of time),

Sprint Plan meeting it is a meeting to conduct within the team to define what cases be delivered In the sprint and the duration,

sprint backlog it is a list of committed stories for specific sprint,

scrum meeting in this meeting conducted by the scrum master(all the members shoul be present and discussed what have done it today it conducted daily,

Sprint retro spective meeting it is meeting after the completion of one sprint.

Scrum: It is a framework which we built software by following the agile principle.

Agile is an iterative and incremental approach