1. Explain SDLC at a high level?

#Software Development Life Cycle is a process of creating a high quality software using Waterfall model and Agile model are popular models.

1. What is waterfall and why it is still relevant?

# Waterfall Model is an approach where a project is completed in multiple steps one after the other or in linear or sequential manner and you cannot process to the next stage until you finish the pervious stage and you cannot revisit or redo the previous model if you have once moved to the next stage. This model is used when the Client and the application developer has clear idea of the application what they want to achieve.

1. Explain Agile Model with a use case and the role of SCRUM in that?

# Agile methodology is the widely used project management methodology in the many software development projects. It is combination of small sub divided projects or sprints and we have the ability to make frequent changes and integrate throughout the life of the project. Use case will help to understand the process between user and the system, that is beginning and end state of the process. Use case will help the developers to build the process flow of the project.

SCRUM is a framework that helps the team to work together and the project is divided into series of sprints, Sprints are the timeframes to complete the list of tasks to complete in that timeframe. So, in Agile model, scrum methodology is used to breakdown the project into series of sprints and to coordinate within the team to finish the task.

1. who is Scrum Master?

# A scrum master is the person responsible to keep the team lives by the Agile values and principles and follows all the process and practices of the team.

1. Differentiate between Product/Sprint Backlog?

# Product backlog complete list of things that must be completed in the whole project. Whereas, sprint backlog is a subset of product backlog or the list of items that should be completed in that particular sprint.

1. What is Epic & Story?

# An Epic is a big chunk of work that has one common objective, it can be a business request or customer request or user request.

Story is tool used in agile, it is an end goal from the user.

1. What is called Velocity in SCRUM?

# Velocity is the estimation of the amount of work can be performed in a particular sprint.

1. Explain the SCRUM ceremonies?

# SCRUM has 4 ceremonies

Sprint planning, it is team planning or meeting to evaluate work can be done in particular sprint.

Daily standup, it is a daily 15 minutes meeting at the start of the day about the work done previously and what will the work done today and the blockages.

Sprint demo, is the showcase of the work done by the team during that particular sprint.

Sprint Retrospective, it is the summary of the work done in the sprint it helps the team to understand what went well and what did not during the sprint.

1. What is grooming?

# Grooming is the meeting of the team to discuss about the next sprint and previous sprint backlogs and achievements.

1. How Jira board is effective in SCRUM?

# Jira is software used in Agile project management. In SCRUM we use jira software to create Epics, stories, tasks, reports, track and manage the project.

1. Differentiate between SCRUM & Waterfall?

# Waterfall model works in linear approach.

You can only move to the next activity after finishing the previous activity.

You cannot go back to the previous activity once you move to the next activity.

This model is ideal for small projects or the projects with extreme knowledge on outcome.

Scrum is the one of the agile model. It works in incremental approach.

In SCRUM project is divided into multiple sprints,

Project is delivered to user once in few weeks at the end of the sprint.

You can make changes at the end of the sprint.

It is widely used model when compared to Waterfall model.

1. Explain the responsibilities of Product Owner?

Product owner is one of the member in team who is responsible for defining the stories, execution of program, PO serves as the responsible for working with project team and the end user. PO is highly involved in project backlogs and plays an important role in planning the project.