SSW 555 Agile Methods for Software Development Homework 3

1. Provide an overall description of the Scrum process and roles.

Ans:- scrum is methodology the managing the development process and team. Scrum is lightweight, simple to understand and difficult to understand. Scrum is use for manage complex product development.

Scrum Process:- In that there are five stage.

   I.   Initiate: -   In this phase, it will identified scrum master and stakeholder also decide the project criteria such as key feature or focus area , what are bugs which we can face later and their solution.
   II. Plan and Estimate: - In these process user stories created and approve, committed by project owner. Moreover, planning for the task and how much effort required for that task. And create sprint backlog.
   III. Implement: - This phase for implementation of task and activities which include in project. Deliverability of the task , daily stand-up meeting which help for reviewing daily task status.
   IV. Review and retrospect: - in that process it is define that task is done in proper way need to improve anything else. Also discuss about the lesson about previous sprint which we can apply in next sprint
   V.   Release: - In this process product will be deliver to customer and see any improvement which can help for next project.

Scrum Role: -

In these part there are four part which are stakeholder, Product owner, Scrum master and development team which are define in the following.

   I.   Stakeholder: - stakeholder define in two part one is internal stakeholder or investor and customer. Where internal stakeholder discuss project with product owner and its requirement. However, customer connect with development team, product owner and scrum master on that if they have any question about project, they can directly ask customer for the project.

   II. Product owner: - product owner represent the customer and their requirements. In that, product owner ask that what is the project what is the requirement of the project and its feature. They always connect with

investor where they ask about project or project delivery. Moreover, decide the priority of the sprint so developer know which is the most important and which can implement first.

III.   Scrum master: - they help development team to help for practicing the project with best solution. They do not have any authority to take any technical decision. Employer report the work for team does not scrum master. Scrum master have responsibility to prevent developer team from outsider. Scrum master is responsible for the process or status of the project

IV.   Development team: - developer team are small and self -sufficient team where they have responsibility to decide the which they can do in these project. The team have developer and testing people so they can do work equally in the project. There is no manager in that process so team can select their task and what they want do in th project.

2. Explain the planning process for Sprint 1. Who is involved? What are the work products? What are the roles and deliverables of each participant? Who delivers what and when?

 Ans: - The sprint 1 usually take 2-4 week of duration to be done. In sprint planning Product owner, development team and scrum master are involved. Product owner identified feature of the product. Developer make the list of task which involve feature that has to delivered on time. On the time of the sprint planning it has to decide sprint goal. It has to done. The definition on done is that product owner and developer team should achieve required feature and backlog must completed during the sprint. Developer team report the scrum master at the end of the sprint 1 and then it goes to product owner then on next day it deliver stakeholder.

3. Describe what happens, day to day, during Sprint 1. Who is involved? What are the work products?

Ans: - In the day to day meeting developer team and scrum master has to be there however product are option they may be in meeting or may be not. Moreover, in daily meeting developer discuss what they completed in previous day and what they do next in the project. Scrum master may observer what is the status of the project is everything goes well. All member work properly. Each and every employer has to report what work has done each and every day and what they will do next.

4. Describe what happens at the end of Sprint 1. Who is involved? What are the work products?

Ans: - In the end of the sprint 1 all employer has to complete task on time with completing goal proper. Developer, scrum master is involved in that process. Furthermore, they need to resolve backlog before the end of the sprint also observe what is the mistake that happened in previous meeting which has to consider as that will not happen or improve in the next sprint.

5. How does the team measure progress?

Ans: - The team measure the progress through stand-up meeting. In that each member report what they to yesterday and what they will do today through that scrum master can decide the progress of the project. Moreover, scrum master observe that what employer do for project is everyone doing well as the requirement. How much time it takes the remaining work of the product. If the project is doing well enough that means the progress of the product is on good level.

6. How and when can the team adjust priorities? Who sets the priorities? When can changes be made?

Ans: - Project owner decide that priorities at the starting of the project. Base on that team choose the task that will done firstly and then do another task. From that team member can decide which task is important for the project then that one make earlier and deliver the stakeholder. Priority can change when investor and customer discuss the project and decide which is important. Also, when sprint review meeting happen on that time it can be change.