

Reflection for the Developer Role

As this sprint was focused more towards understanding the team and the project, we sat together to understand the requirement, code and communicated with the product team for clarifications and what to expect. We discussed UML diagrams, UI and ERD in our meetings.

I specifically worked for writing tests to achieve 80% condition coverage and 85% line coverage. For this task, I invested substantial hours to understand the flow of the code, when specific exceptions are thrown and how can I reach to a specific condition. Once I was clear with this part, I started writing junit code using reflections for prattle.

We as a team and I could achieve the expectations and finish all the backlogs for this sprint. At the end, we could merge the code to master.

Note: Lot of the points for these role are covered in the following section (Reflection for the Scrum Master Role).

Reflection for the Scrum Master Role

The planning process:

The goal of this sprint was to understand team members, their technical skills, project requirements, developing software architecture documents, and achieving 85% test coverage.

As this was the first sprint and majority of the team members were unknown to each other, the first meeting was focused towards understanding each other and getting the project overview. As a result of the meeting, each team member was given a task to go through the project requirement document and think over it for critical inputs. In a subsequent meeting, all of us sat together and discussed the possibilities, interpretations and limitations of the project requirement. As a team exercise, we developed a rough UML diagram on white board to understand the project and each others thinking pattern. Immediately after this, we approached the TA (Product guy) to make out confusions clear.

We feel the above step most important as it is very important to understand your team members to work efficiently once the project is started.

Once everyone was clear with the project requirement, two of the members were assigned a task to understand the prattle code and other two started working on UML diagram and UI sketches. In next meeting the two explained the code to the remaining team and classes were assigned to each member to test. One team member was assigned to cover overall Prattle code to boost the test coverage (I chose to take this task as it needs to understand what things are checked and what are not). In meantime, I learnt about Jira, SonarQube and Jenkins as all three of these tools were new to me.

During these sprint, we used to communicate over slack and other Internet Messenger. Generally we took an approach to sit together solve any confusion.

Due to the work overload on a specific person or technical limitations, we reassigned/reprioritized tasks. For an example, testing was given more priority over the ERD after talking with the TA. For this kind of reorganization, I asked all members about what they are currently doing, considered how much they have worked and how much more they are available to work.

Discuss how communications owed with the Product Owner (TA or professor) during the sprint.

We discussed the project requirements and expectations with the TA in our first meeting. After that we immediately started working on the expectations and contacted TA/Professor on slack for any technical or execution difficulty over slack.

Discuss how team communications owed during the sprint. How many meetings were held and what was the purpose for them? Did you conduct stand-ups of some sort? How did decisions get made, communicated, and recorded?

In first week, we spent most time in understanding the code and the project requirements. After meeting with the TA, we started writing code and developing documents. For these, we met two times in the first week for an hour. In second week we sat together for 4 hours to understand project requirements and develop UML as a group activity. After that, we used to

meed alternative days for an hour to discuss difficulties. During the whole cycle whole team was connected to each other on IM (slack/whatsapp).

Discuss the obstacles the team faced in achieving the sprint goal. How did the team identify them? How did they get addressed? Were they resolved? What role did you play in any of these steps?

The team faced major obstacle in achieving test coverage and understanding the infrastructure. We created subtasks like one worked on understanding how to use Chatter as a dependency for Jenkins, at this time other members were working on achieving test coverage without worrying about the infrastructure. These difficulties were resolved by reading articles online and communicating with the technical team. I specifically reassigned the work to get around this difficulty. As I am good in writing code, I assigned my role of communicating with the technical team to other member and took his role to write code.

Discuss the team's progress and how to monitored progress.

As this was the very first sprint with very basic expectations, there was not a lot to monitor in terms of technical contribution. However, I kept a look on who is doing what, is someone understanding the code/infrastructure or not, any one is not stuck somewhere by discussing it in the scrum.

Reflection for team

Name	Rating	Comments
Himanshu	7	Himanshu did amazing work in understanding the code and explaining it to everyone else. His explanation has been a starting point for all the work. He made sure that everyone is good to start coding.
John	7	John's hard work to match the team's expectations is noteworthy. Despite of having a very little background about Java and the Software Development, John participated in all the meetings and scrums with lot of enthusiasm and practical concerns. There was a time when he took time to figure out how to write code for a certain test or what is the flow of the code however he was quick on asking it to someone else. With someones help he could got his work done. I could see his extra efforts to cope with the team.

Ram	8	Very good work. Ram was always ready to help for any challenging part. He dedicated substantial amount of time to finish task assigned to him solving the problems faced by other team members. Ram raised some serious concerns regarding project specifications during the initial meetings.
Shashwat	8	I worked as a scrum master. We did hit on all the objectives and could achieve more than what we promised. As I was new to the tools, I missed few things on JIRA but at the end of the sprint I am already for the next sprint. Being a scrum master, I ensured the progress of the team and solved the hurdles. Apart from being a scrum master I invested a lot many hours as a developer to write tests and achieve 90%+ code coverage with 80% condition coverage. I also swapped my role with someone else when I could identify that I can perform that task faster than anyone else in the team.