Worksheet 4:

1.

1. It tells us that the project fell behind and was completed after the original planned completion date.
2. It shows me that the final expected completion time for the project will be delayed. I would discuss with the customer either extending the deadline or reducing the scope. I would also try to discuss with my team to find out why the tasks aren’t being completed on time.

2.

1. This means that no new tasks can be completed until we have completed at least 3 tasks all the way through to merge.
2. We would need to rush one task from Coding/Testing, and one task from Awaiting Merge to Done, so that “Spacecraft rendering” can be pushed through to Done.
3. Two other tasks will be in Done.
4. No, because some tasks may be left at merge until the urgent task is done, and some may go back on the to-do list depending on the level of completion.
5. We would have to revert the main branch back to a previous iteration that did not contain the task, and then change the code depending on the customer’s request.
6. I would insert a new column called Documentation, which would be between “Coding/Testing and “Review”. This would be so that the task’s documentation is complete before it is reviewed.

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| --- | --- | --- | --- | --- |
| To-Do | Watching Lecture | Writing Notes | Completing Worksheet | Done |
| Version  Control |  |  | Agile Management | NonFunctional  Requirements  Functional  Requirements  Planning |

3.

1. i – First, there is a sprint review, which is a half-day meeting with the customer describing what has been completed. Then, there is a sprint retrospective, which is a full day meeting with the team to discuss what went well, and badly.

ii – The sprint review will be conducted by the product owner, and the scrum master. The sprint retrospective will be conducted by the scrum master, and the development team.

1. The planning poker would take place in the sprint planning phase.
2. The product owner is immediately responsible for requirement changes during the project. If requirements change within a sprint, only the product owner has the power to cancel a sprint and re-order the backlog.

4.

1. A code review is done once a developer makes a pull request, when they think they have completed their code. The code is then discussed, and the request is accepted or denied. If denied, a reviewer provides a report of the faults.
2. No, because the task is split into many small tasks, and this would become tedious and inefficient to do so.
3. 1. Is each “/” operator working with the correct datatype?

2. Do all string comparisons use the “equals” method?

3. Do calls to a function supply parameters in the right order.

4. For functions that return a value, is the returned value being used?

5. Where real numbers are compared for equality, is a “tolerance” value used (for rounding errors)?