Sprint 2 Process

Overview

We have already used a Sprint process to work on the project. In this task we will used the feedback and reflection from the sprint review and retrospective activities of the last sprint to deliberately improve the process, and the product outcome, in a new Sprint iteration of activity.

Purpose: To experience the value of an agile scrum development approach using a Sprint of activity to deliver a working iteration of your project.

Tasks: As a team, take the review, feedback and retrospective details from your last Sprint and prepare for a new sprint of activity. Review and update your product backlog of tasks, then plan a new sprint backlog with agreement from the product owner. You have to do **TDD** and **continuous integration testing** in this sprint.

Time: Document your team changes to the product backlogs and the new sprint backlog, and specifically your planned activities for this week. Note that, as in the last sprint, your actual sprint task activities will be documented at the end of this sprint as an outcome.

Resources: See the lecture notes and online resources for more details about common Sprint activities. For TDD and integration testing, check the notes.

Submission Details and Assessment Criteria

You should create a personal (unique) document that shows your involvement in the sprint planning meeting this week, and the final product and sprint backlog tasks that are agreed to by the product owner. Make particular note of the changes you have made to tasks in regard to estimates and priorities of tasks.

Instructions

This week is a continuation of last Sprint and you must **stay** in the same group.

Last week we finished out the last sprint of activity by conducting a sprint review, and a sprint retrospective. This week, we begin a new sprint, using the lesson learnt from the last sprint to improve both the product, and the process we have used.

Practice Improvement (Today)

From your sprint 1 retrospective, as a team select one main process that could be improved. You can try to change more than one aspect, however it is often not practical (and is less likely to succeed) to try to change too many things at once!

Suggestions include how you estimated time, how tasks were being updated by team members, how time was being recorded, how files or resources were being stored or used in your version control systems, how you could test the product better, or what coding standards or file conventions being used. However do not be limited by these suggestions, but make sure you get approval from your course teacher!

Product Backlog - Update (Today)

As a scrum team and review your product backlog, using what you learnt from the last sprint and the feedback you were given.

You will be looking at your product backlog for:
- o   What tasks (or details) can be removed from the product backlog?
- o   What tasks need to be added to the product backlog?
- o   Are there time/work estimates that need to be updated (improved)?
- o   Do tasks need to be reordered to reflect the current priorities?

Once you are ready, present your new and improved product backlog to the product owner for approval. Then move on to the new sprint backlog.

Sprint Planning – Backlog (Today)

From your updated product backlog select the tasks that should go in to the new sprint of activity. Check the total amount of work (time) and see if it is a sensible amount for the team to do in the week.

Consult with the product owner and gain approval for your new Sprint Backlog.

Do the Sprint! (This Week)

You should know what to do – do it!

Daily Scrum (Today or During the Week)

Now that the new sprint has been planned, you should start work on it. This means that you are able to have a Daily Scrum meeting as you did last week. You can do this in the class or during the week if you wish to meet in-person with your team some time. Although your description of what you have done may be limited, you can certainly describe what you plan to do next and identify any potential interference issues.

Checklists

Below is a checklist that you can use to see if you have completed the activities required for the tasks this week.

Outcome Checklist

You should have recorded evidence for the tasks you have done this week:

- 🖎 Decision and Approval (course teacher) on what <u>practice</u> your team will improve (based on your last Sprint Retrospective).
- 🖎 Review and Approval of your <u>Product Backlog</u> (based on your last Sprint Review)
- 🖎 Selection and Approval of your new <u>Sprint Backlog</u> to be done this week.
- 🖎 Daily Scrum during this sprint.