CS301H5- Introduction to Software Engineering
Final Project

University of Toronto, Mississauga Campus
Winter 2023
Sprints 2-4

Sprint 2-4

PREFACE

This document outlines how your work will be assessed and what is expected for sprints 2-4 of your project.

PRODUCT BACKLOG

On each sprint, update your product backlog including stories that remain incomplete from the previous sprint, or new changes that emerge. Place the updated PB.md in doc/sprint2, doc/sprint3, doc/sprint4 accordingly.

SPRINT RETROSPECTIVE & SPRINT PLANNING MEETING

As you complete the previous sprint, you must have SR(n-1).md (n is your current sprint number) in doc/sprintn.

Once the sprint retrospective finishes, you must hold the next sprint planning meeting and record it in sprintn.md.

Example:

After finishing sprint 1, Team ExampleTeam creates an SR1.md and sprint2.md in doc/sprint2.

For SR(n-1).md, you should record:

- The participants in the meeting
- Unfinished tasks and group them into stories; add them to SR(n-1).md in the form of new user stories.
- Update your PB.md and save the updated copy in doc/sprintn
- What are practices that you should continue during next sprint
- What are some new collaborative practices that you might want to use during next sprint
- What are (if any) harmful collaborative practices you should stop using during next sprint
- What was your best/worst experience as a group during sprint n-1 (ex: “we had issues communicating schedules at the beginning of the sprint”, or “we had issues understanding each other’s code”))

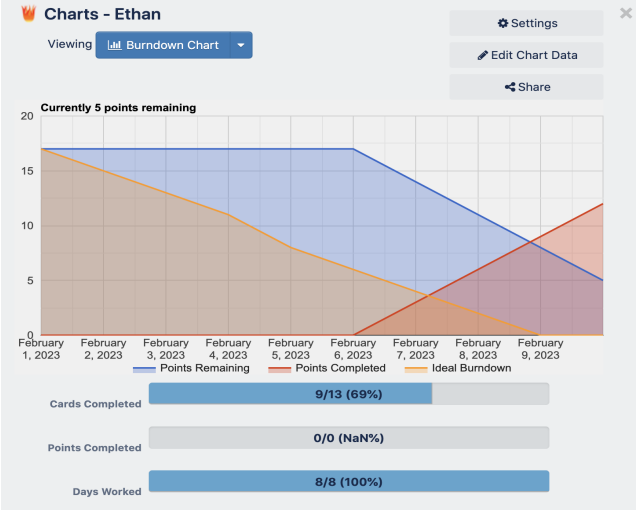
STANDUPS

Just like sprint 1, each team member is required to post a minimum of 3 standups per sprint and **ALL** standup updates must answer the necessary questions and are of good quality.

We encourage you to do more than three to ensure team communication and to resolve blockers.

PROJECT TRACKING USING TRELLO

- Make sure to prioritize and point estimate your new stories.
- Also, stories previously estimated, can be re-estimated based on the experience earned from previous sprints.
- Start your stories.
- The tasks that you have listed in sprintn.md should appear on your product backlog and the name of the person who records the activity must match the name of the person to whom the task has been assigned.
- Generate burndown chart using Trello (https://www.burndownfortrello.com/#). Include the generated chart in a document called **burndown.pdf** placed under your doc/sprintn folder. Write your comments about the burndown chart in this document. Also compare the planned velocity with the previous sprint velocity. Explain why your velocity did change (or why did not change). You may create the burndown chart by inserting story points manually (click on “edit chart data”)



- Identify tasks that have dependencies and prepare a network diagram. Identify the critical path. Explain what you do to keep your sprint on schedule. In case you were unable to finish, explain (using your diagram) what did go wrong and what did you learn from it. Write your findings in a document called **schedule.pdf** and place it under your doc/sprintn folder. Make sure to include the diagram in your PDF.

SYSTEM DESIGN

Make the necessary changes to the System Design document. Store it in the folder doc/sprintn, n=2,3,4.

DOCUMENTATION

Make any necessary changes to your documentation (new endpoints, new pages, components, installation/running instructions, etc).

DEMO WITH THE TA

Please make sure to stay within the scope of the user stories identified during the planning meeting. You should be able to demo your software at the end of sprint 1 during your tutorial.

During the demo, all team members must be present. The TA will mark the attendance for everyone on the team and ask you to show your working software. The TA should be able to use the software to the extent of the feature(s) you have already implemented.

MARKING EVALUATION

Sprint 2-4 each is worth 18% of the final project mark. Please review the marking scheme for the full mark breakdown and items that are needed for submission.