

COSC205/224 W2023 Lab 1 - Introduction to JIRA

JIRA is a Project Management software for planning, tracking, releasing, and reporting on projects. It allows for collaboration across Team members, and is platform/OS independent, runs in the Cloud. JIRA is owned by Atlassian (<https://www.atlassian.com/software/jira>).

For this lab, you would have to familiarize yourself with JIRA, simulate a dummy project, and generate a report (which you will submit to Moodle). The lab is worth 4% of the total course grade for COSC 205.

The first step is to get started with JIRA.

1. Please go through the slide uploaded on Moodle and named COSC205_PM_2023-L1B.
2. There are links to relevant videos on the last slide.
3. Once completed, you can then attempt the lab below:

Using the JIRA 101 tutorial found here <https://confluence.atlassian.com/jira064/jira-101-720412861.html> as a guide, carry out the task below:

1. Sign up for a 7-day free trial of JIRA
2. Create Jira account
3. Choose a member of your group to create a Scrum style project in JIRA
4. This person should then invite the other group members to join your team and assign them a role (i.e., Developer)
5. As a team brainstorm on the project activities and add them as backlogs
6. Understand story points / tasks / sub tasks / etc.
7. During the week: Start Sprint, set a day before the next lab date + time as the End of the sprint
8. During week: Move cards from "To Do" to "In Progress" and to "Done"
9. While "In Progress", log a specific number of hours on different days before moving to "Done"
10. Find "Log Work" on a menu, enter hours, this is called tracking,
11. On Wednesday (day before COSC205 lab) formally "Complete Sprint"
12. Generate Reports: Burndown charts, Velocity chart, Cumulative Flow Diagram
13. Use Snipping tool to capture screenshots
14. Include some observations/explanation for the patterns in your diagrams/charts.
15. Save all as a single PDF file and submit to Moodle.
16. End the free trial ends today
17. We would have discussions on the submission in the following week.

Below are screenshots that you might find useful. Please note that the screenshots below (as well as JIRA 101 content) are for a different version of JIRA, hence might not be 100% match the JIRA Cloud version you will be working on for this lab. I am working on getting you access to the version hosted at Okanagan College


Choose SCRUM option

Choose a classic template

Classic templates have all the power and functionality you expect. They're created and managed centrally by a Jira admin using schemes.

Software

Import your work




Kanban

Monitor work in a continuous flow for agile teams. Suits teams who control work volume from a backlog.

What's in this?

Select

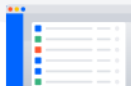


Scrum

Manage stories, tasks, and workflows for a scrum team. For teams that deliver work on a regular schedule.

What's in this?

Select



Bug tracking

Manage a list of development tasks and bugs. Great for teams who don't need a board.

What's in this?

Select

Looking for easy setup and reimagined features?

Try a next-gen template

Create project

Create project


Name

Cosc205-Winter2020

Key

CW

Template

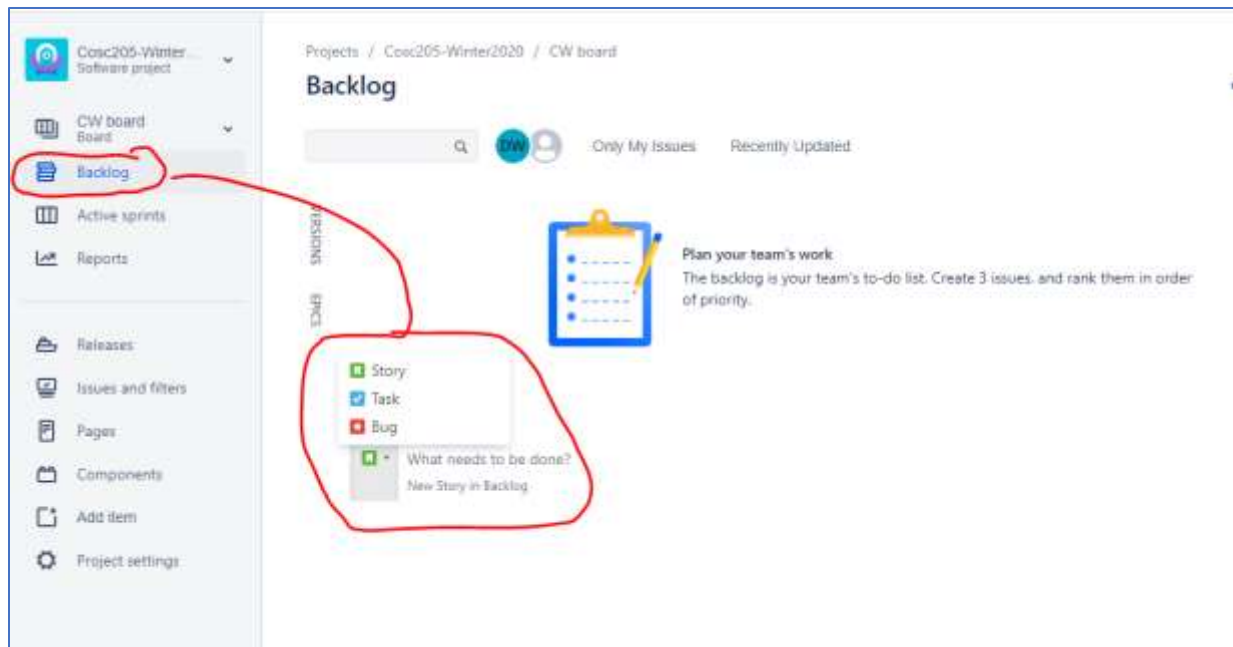


Scrum

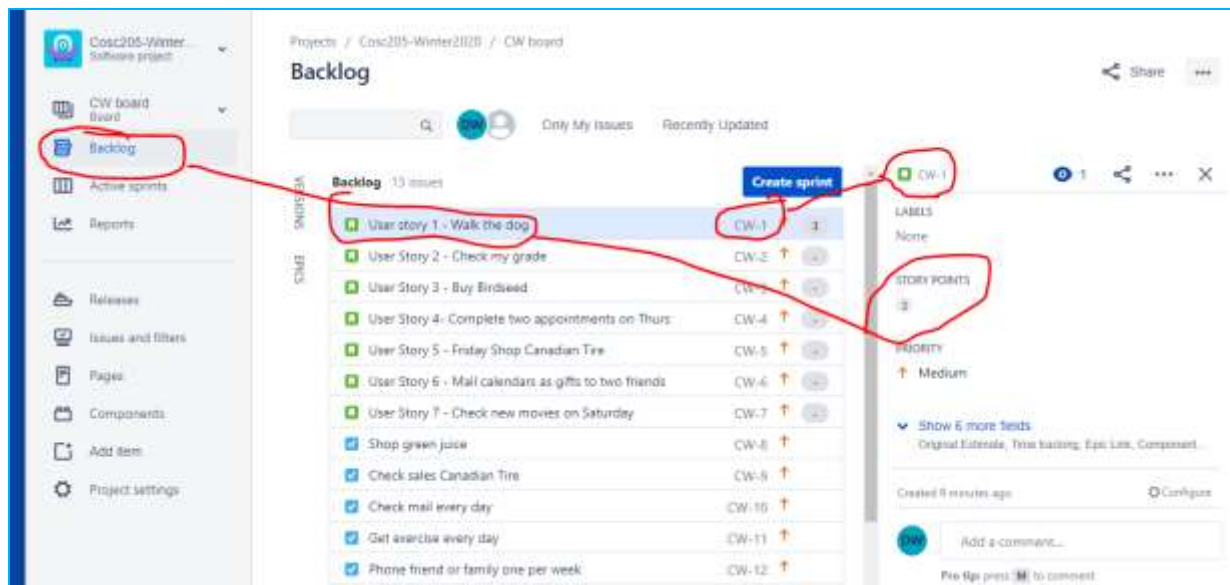
Manage stories, tasks, and workflows for a scrum team - For teams that deliver work on a regular schedule

Change template

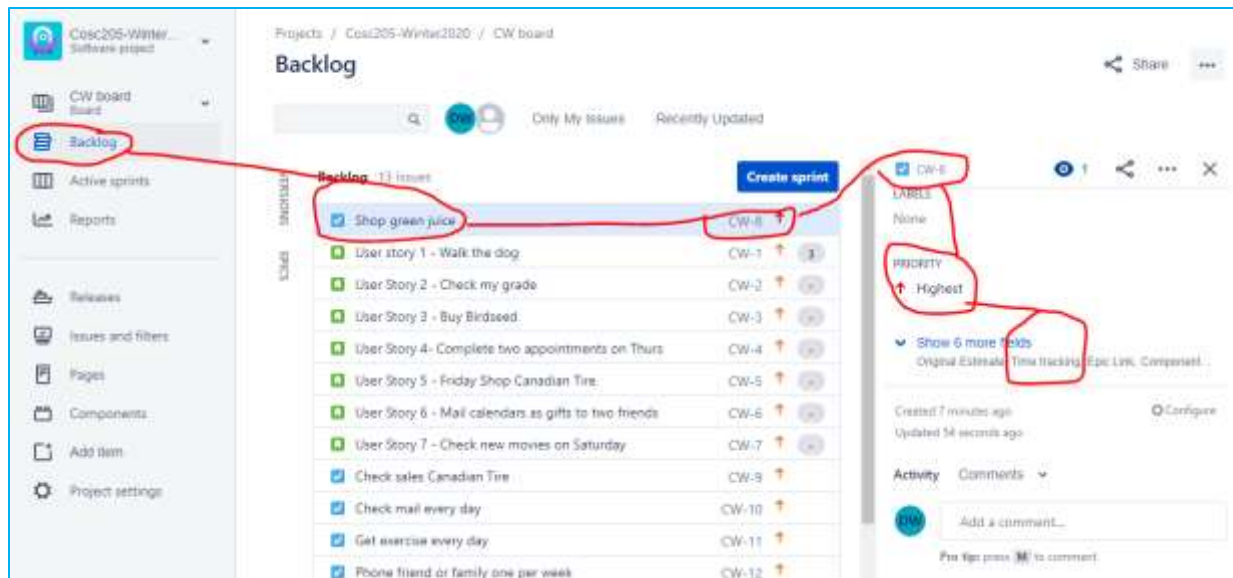
Add about **21 random items to the Backlog**, plus **7 user stories**



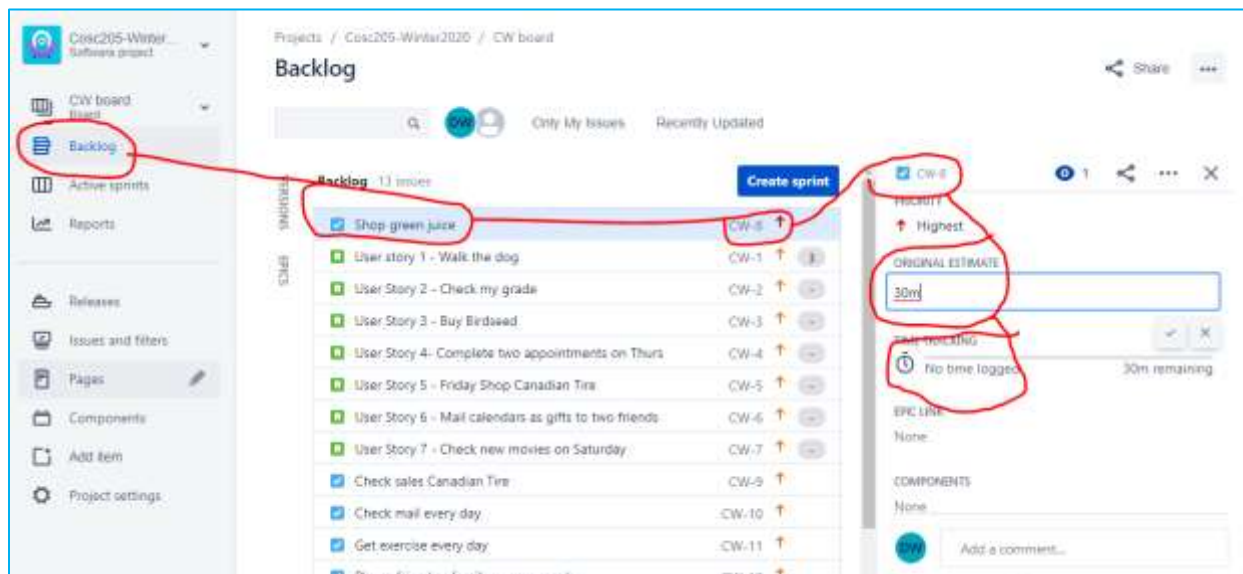
Assign Story Points to each user story: (represents level of difficulty or amount of time)



Assign Priority to a task, and add time tracking



Task – estimate time to complete *** This is vital for the VELOCITY chart




Complete estimate for all User stories and tasks ...

Create SPRINT ... by dragging items from the backlog ... when enough tasks are in the SPRINT the START SPRINT but only for 1 week

Projects / Cosc205-Winter2020 / CW board

Backlog

 Only My Issues Recently Updated

VERSIONS **CW Sprint 1** 2 issues

EPICS

- ☒ Shop green juice CW-8 ↑
- ☐ User story 1 - Walk the dog CW-1 ↑ 3

+ Create issue

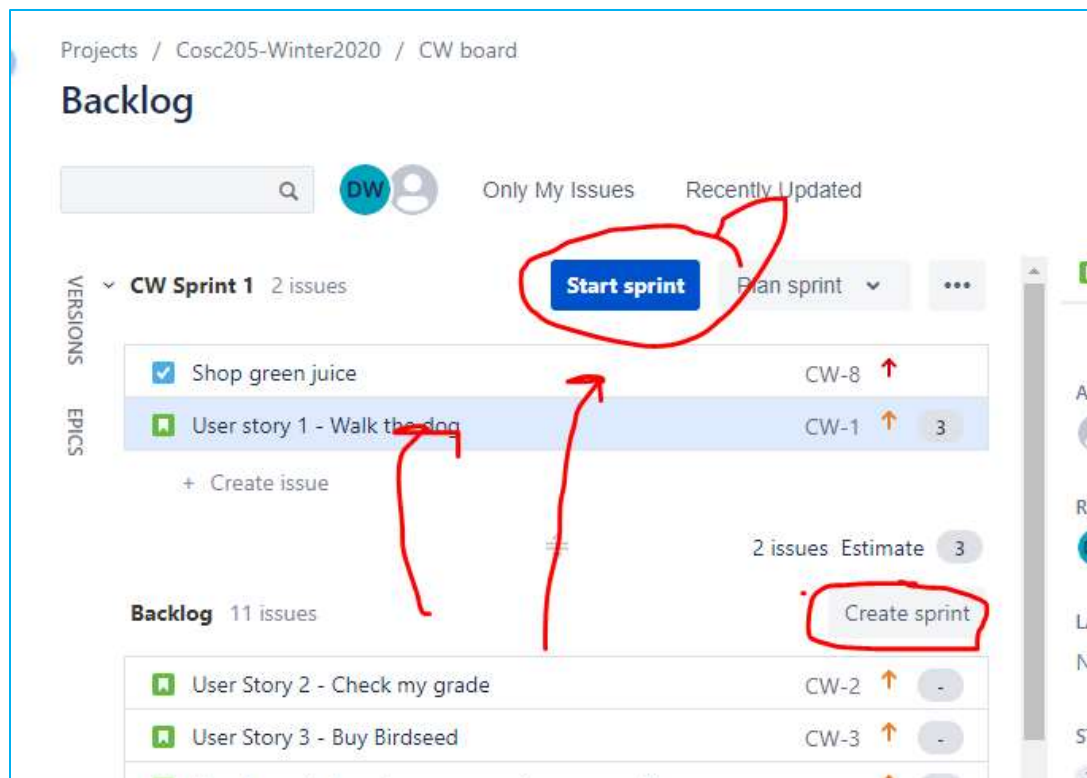
2 issues Estimate 3

Backlog 11 issues

Create sprint

User Story 2 - Check my grade CW-2 ↑ -

User Story 3 - Buy Birdseed CW-3 ↑ -



Projects / Cosc205-Winter2020 / CW board

Backlog

Start sprint

2 issues will be included in this sprint.

Sprint name:

Duration:

1 week

2 weeks

3 weeks

4 weeks

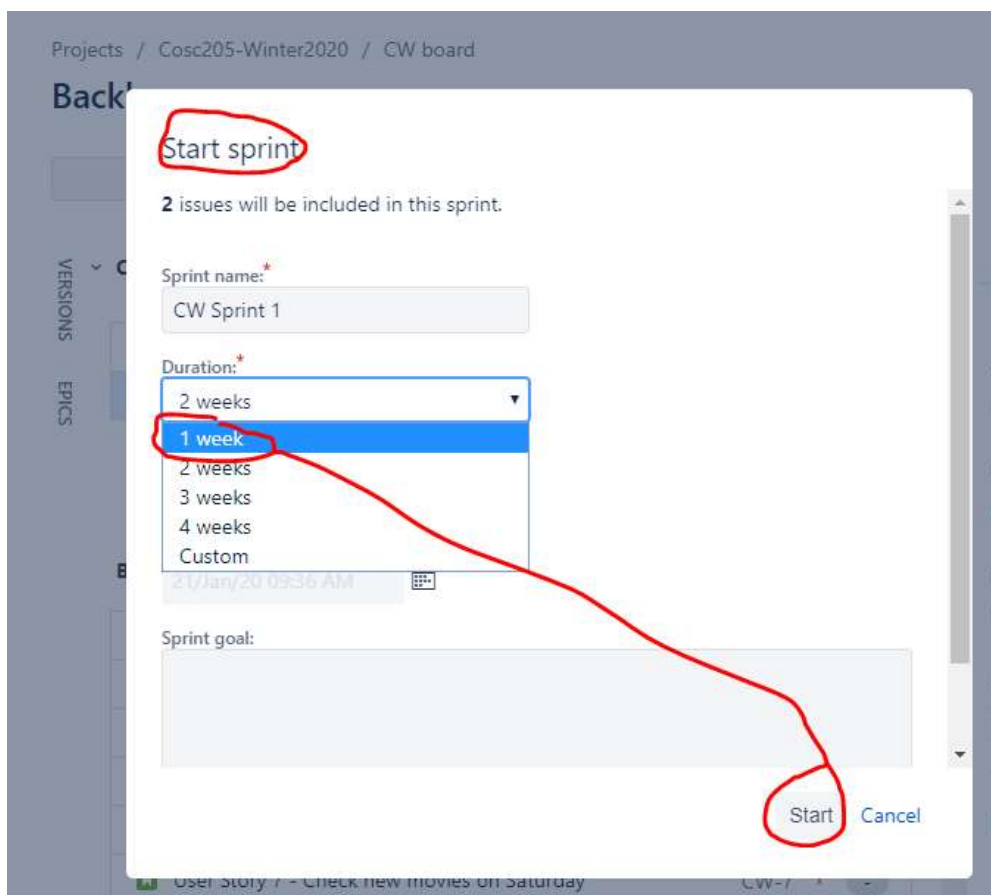
Custom

21/Jan/20 09:36 AM

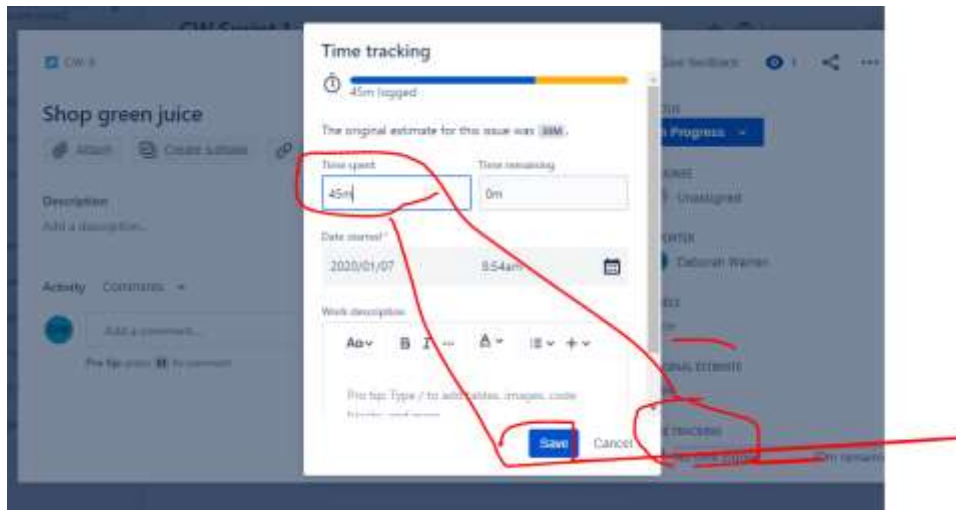
Sprint goal:

Start Cancel

User Story 7 - Check new movies on Saturday CW-7



Drag from SPRINT to IN PROGRESS the log Time actual ... then drag to DONE.



Each day, all four of you will complete at least on task on the sprint,

Move item from sprint to IN PROGRESS the DONE ... one per day ... you MUST LOG YOUR TIME ... or the Charts will not be accurate ... ADMIN should remove from DONE if time is not logged.

Next Wednesday close the Sprint, print three charts, and add captions to explain what happened on your sprint:

- Charts:
 - Burndown
 - Velocity
 - Cumulative

As stated above, some features might not be in the same location as the screenshots above (as they might have been moved to a different menu) or might not even be available in JIRA Cloud. If you searched and the feature is not available in the version of JIRA you are using, simply skip it but include a note stating this.

Submit as pdf to Moodle in COSC 205 – Lab 1