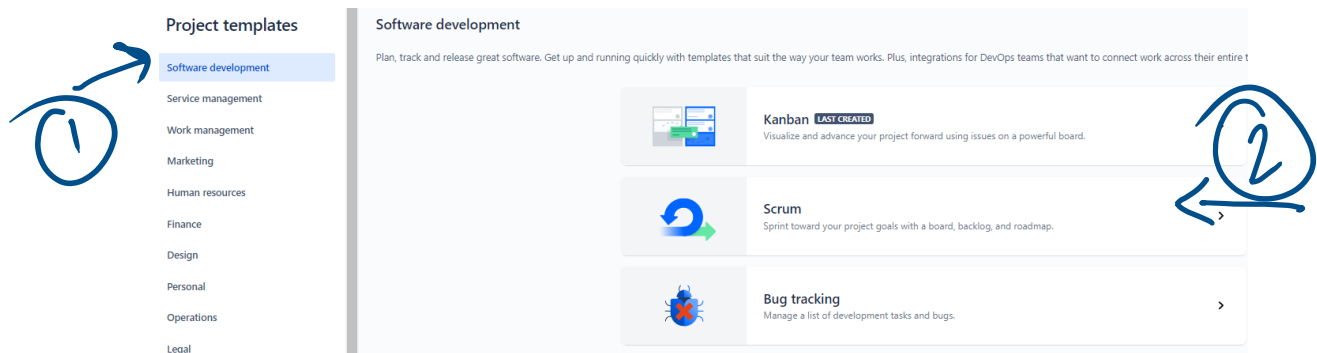


ECSE365L – Agile Software Development

Lab 07 – Create a scrum project

Creating Scrum Project

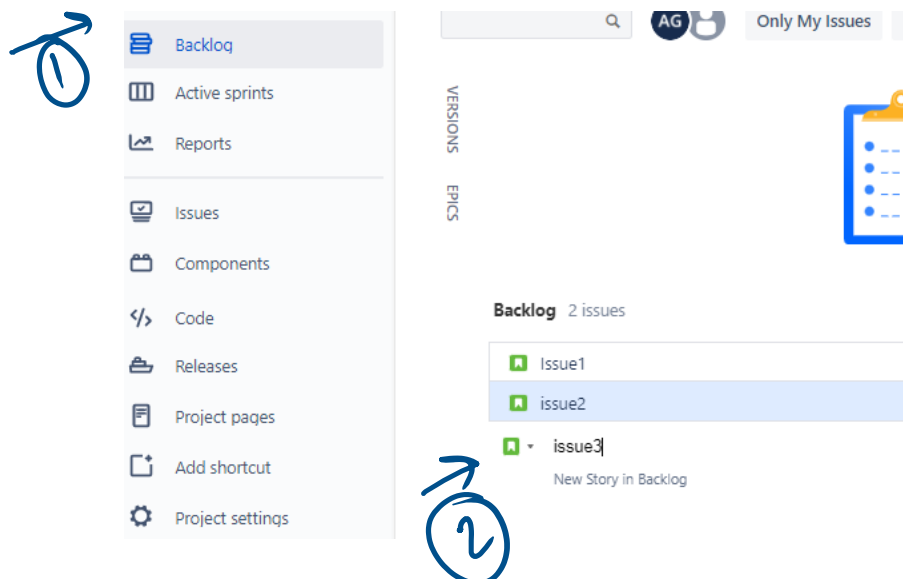
1. Click the **Projects** dropdown in the top navigation.
2. Click **Create project** → Select the classic project option.



3. Click Select a **company-managed project**
4. For the project name, enter **ProjectBUB**.
5. Click **Create**.

Create Issues

1. Click the **Backlog** tab to view your issues (none created so far).
2. Create three issues in the product backlog of type **Story** with summaries of **issue1**, **issue2**, and **issue3**.
3. You can do this by clicking on the + sign → type the name of issue → press enter.



Create and plan a sprint

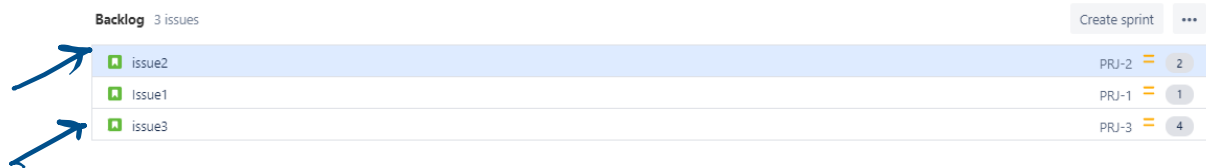
1. Click the **Backlog** tab → Click **Create sprint**. You now should see Sprint 1 along with the product backlog.

The screenshot shows the Jira interface with the 'PRJ Sprint 1' header. Below the header, there is a 'Backlog' tab with three issues: 'Issue1', 'issue2', and 'issue3'. The 'Create sprint' button is visible in the top right corner of the sprint header. A blue arrow points to the 'Create sprint' button, and another blue arrow points to the 'Backlog' tab.

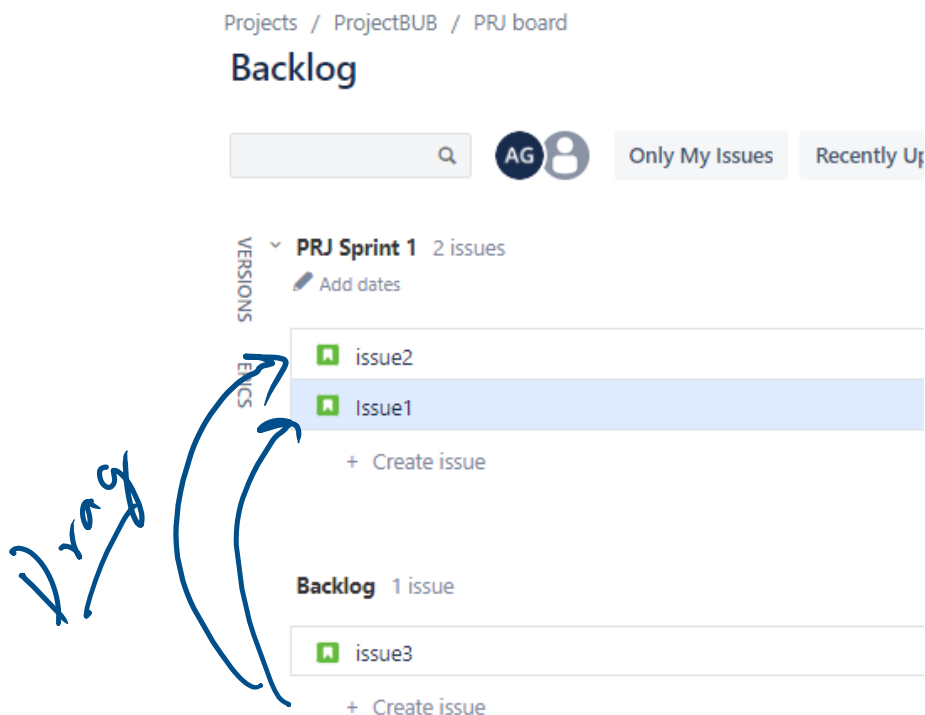
2. Add estimates as story points to the issues → issue1 is 1 point, issue2 is 2 points, and issue3 is 4 points.

The screenshot shows the Jira interface with the 'issue3' details. The 'To Do' tab is selected. The 'Story Points' field is set to 4, and the 'Priority' is set to Medium. The 'Create sprint' button is visible in the top right corner of the sprint header. A blue arrow points to the 'Story Points' field.

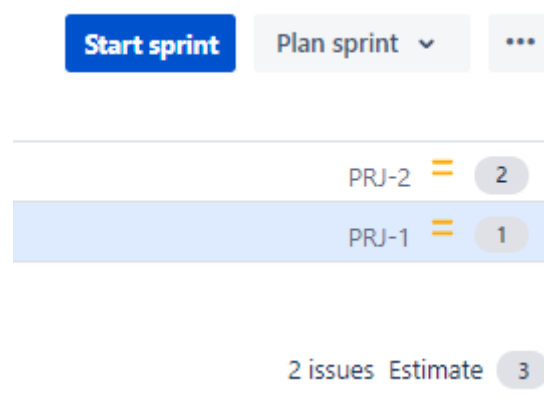
3. Prioritize the product backlog → give the 2 point story (issue2) the highest priority and the 4 point story the lowest priority.



4. Add stories (issue2 and issue1) to the sprint (that becomes sprint backlog). We will arbitrarily assume that the team can execute up to four story points per sprint. This is known as the team's velocity.



5. Notice that the team has estimated that its velocity for this sprint will be 3 story points.



Execute a sprint

1. Click the **Start sprint** button associated with the sprint backlog. Change the duration of the sprint to 1 week. Add a sprint goal as: **Create the first sprint**. Click **Start**.

Start sprint

2 issues will be included in this sprint.

Sprint name:
PRJ Sprint 1

Duration:
1 week

Start date:
27/Sep/21 09:27 AM

End date:
4/Oct/21 09:27 AM

Sprint goal:
Create the first sprint

Start Cancel

2. Under the Active sprints tab, you should see the board for your current sprint.

Projects / ProjectBUB / PRJ board

PRJ Sprint 1

Create the first sprint

AG [User Icon] Only My Issues Recently Updated

TO DO

issue2
PRJ-2

Issue1
PRJ-1

IN PROGRESS

DONE

Name

Goal

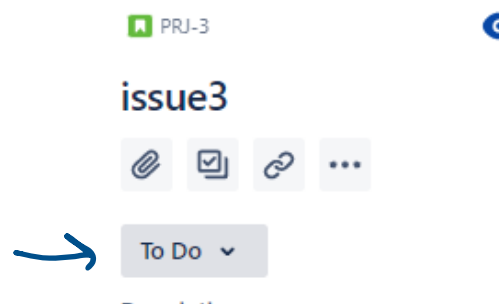
3. View the workflow for the issues.

- Click **Project settings** → **Workflows** → click on the **diagram** link to view the workflow. You should see three workflows as shown below.



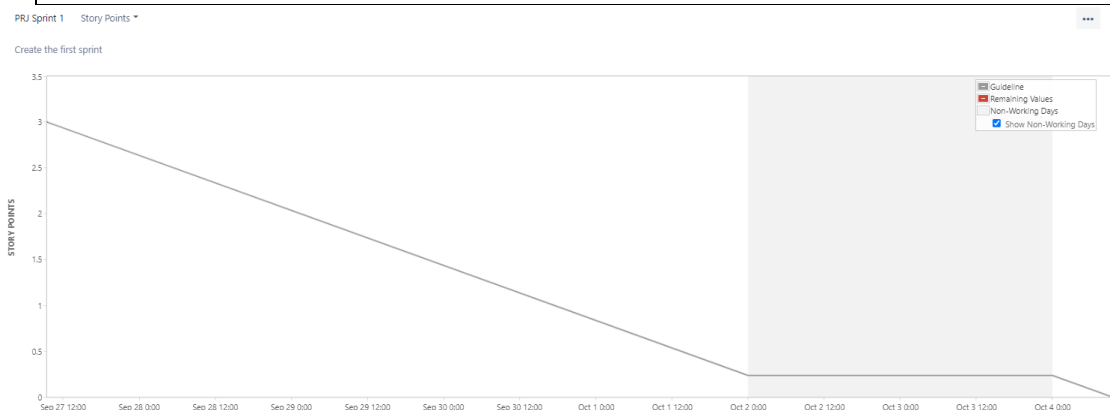
- Leave the project settings.

4. Click the **Backlog** tab for project → click to view the status of the issue3 that is still in your product backlog. You will see that as **To DO** because that is also not started yet (independent of the backlog).



5. Click the **Reports** tab → View the burndown chart for this sprint.

- The starting value is the total number of story points that you added to the sprint backlog.
- For the duration of the sprint, a linear decrease in the number remaining story points is assumed, except for non-working days.



6. Navigate back and view your board under the **Active sprints** tab. Assume that you are a member of the development team and that you will work on the issue2 issue.

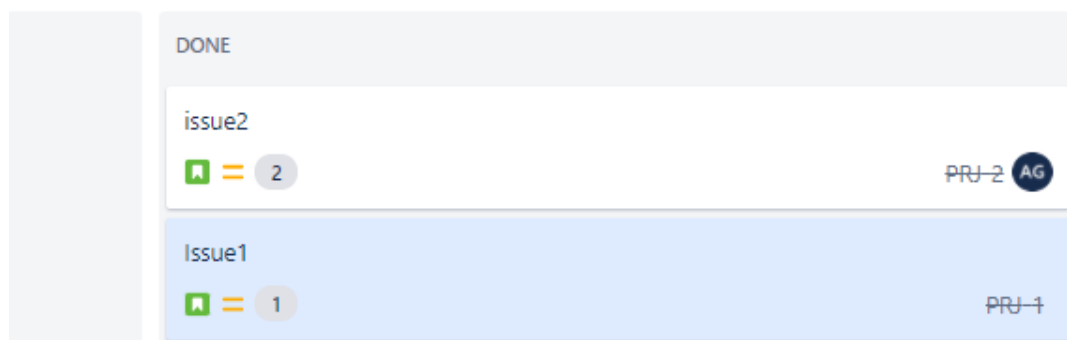
○ Open the issue. Under the **Assignee** field, click **Assign to me**.



7. Navigate back to the sprint board. Notice your icon in the issue2 card. Drag the issue2 to the **IN PROGRESS** column.

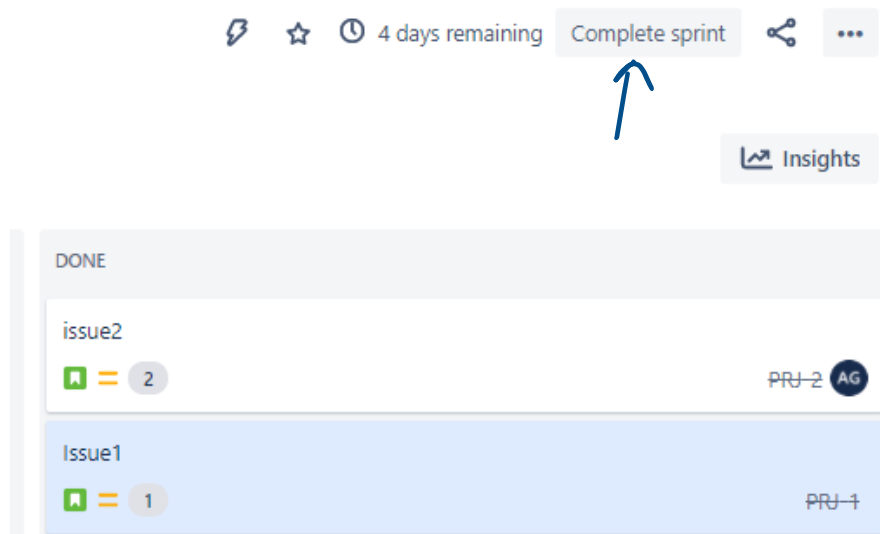
8. Assume that you have finished the work of the issue2. Drag it to the DONE column.

9. Repeat the process above and complete the issue1. It should look like the image below.

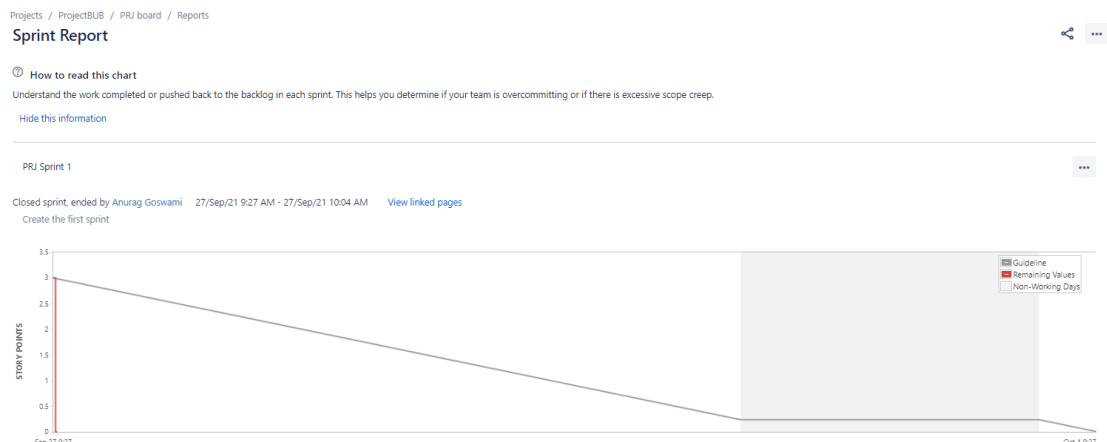


Complete the sprint

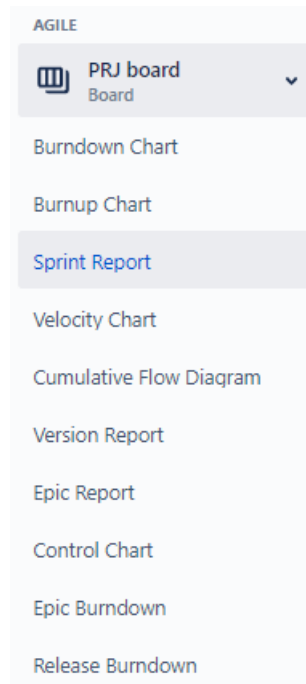
1. In the upper right above the board → click **Complete sprint** → Click **Complete**. If not visible then refresh your browser.



2. View the sprint report. It shows a summary of the sprint, including the issues that were completed in the sprint.



3. Check other tabs to view the other reports that are automatically created by Jira, such as the velocity chart.



As you know, after the completion of a sprint, a sprint review meeting is held and next, a sprint retrospective meeting is held where teams can reflect of their performance as well as the action points for scope of improvements.

Take a snapshot of your sprint board and burndown chart. Submit the MS Word file (with two snapshots) as your lab assignment.

Ref: Altassian