

Lab: Setup Burndown Chart for Your Plan Using GitHub

Estimated time needed: 20 minutes

In this lab, you will set up a burndown chart for your sprint plan using GitHub. A burndown chart is a visual management tool used in agile project management to track the progress of a project over time. It displays the amount of work remaining versus time. The x-axis in a burndown chart typically represents the timeline (days, sprints, etc.), while the y-axis shows the amount of work remaining (often measured in story points, tasks, or hours). The chart helps teams monitor their progress and predict if they will complete their work by the project's deadline.

Objectives

- After completing this lab, you will be able to:
1. Understand how to set up your burndown chart
 2. See the data that is contained in a burndown chart
 3. Judge your progress in the sprint

Exercise 1: Set up your burndown chart

In this exercise, you will set up your burndown chart to show the status of the **Done** stories.

1. Go to [GitHub](#), sign in with your GitHub account, and bring up your Kanban board.

Product Backlog 2 / 7 Estimate: 8 ...

Sprint Backlog 0 / 5 Estimate: 0 ...

In Progress 1 Estimate: 5 ...

Review/QA 0 Estimate: 0 ...

Done 2 Estimate: 13 ...

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2. To create a burndown chart for your sprint in GitHub Projects, click the dropdown menu next to **Backlog** and select **Generate chart**.

Backlog ▾

Generate chart

Product Backlog 2 / 7 Estimate: 8 ...

Sprint Backlog 0 / 5 Estimate: 0 ...

In Progress 0 / 5 Estimate: 0 ...

3. This action will open the **Insights** section of your project. Here, you will see the default **Status chart** generated for your Project.

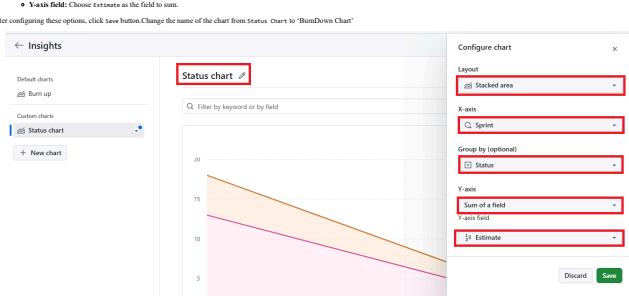
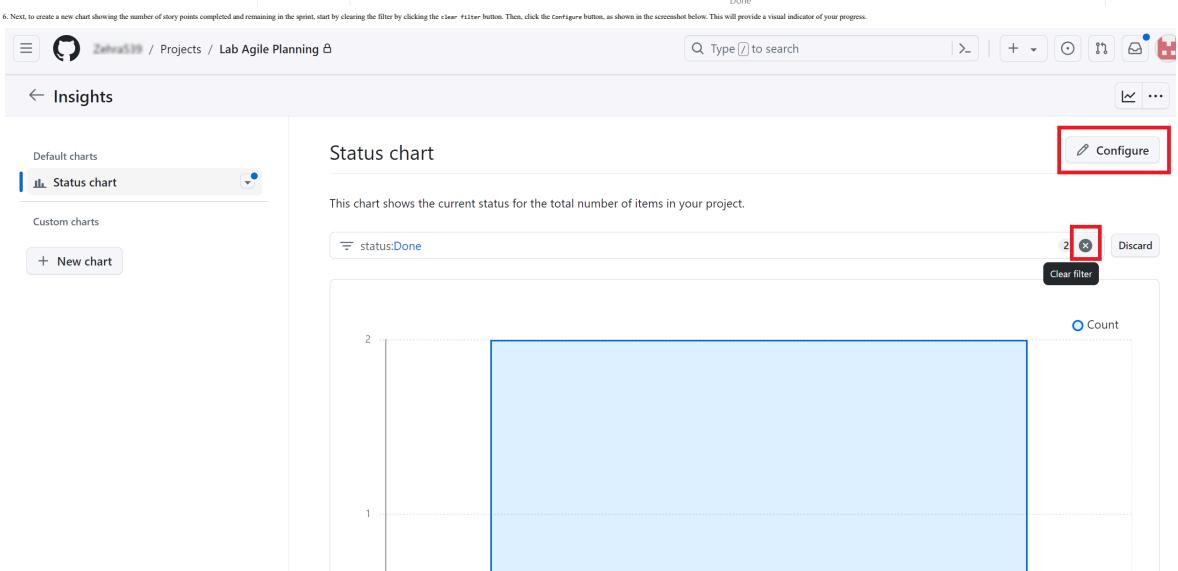
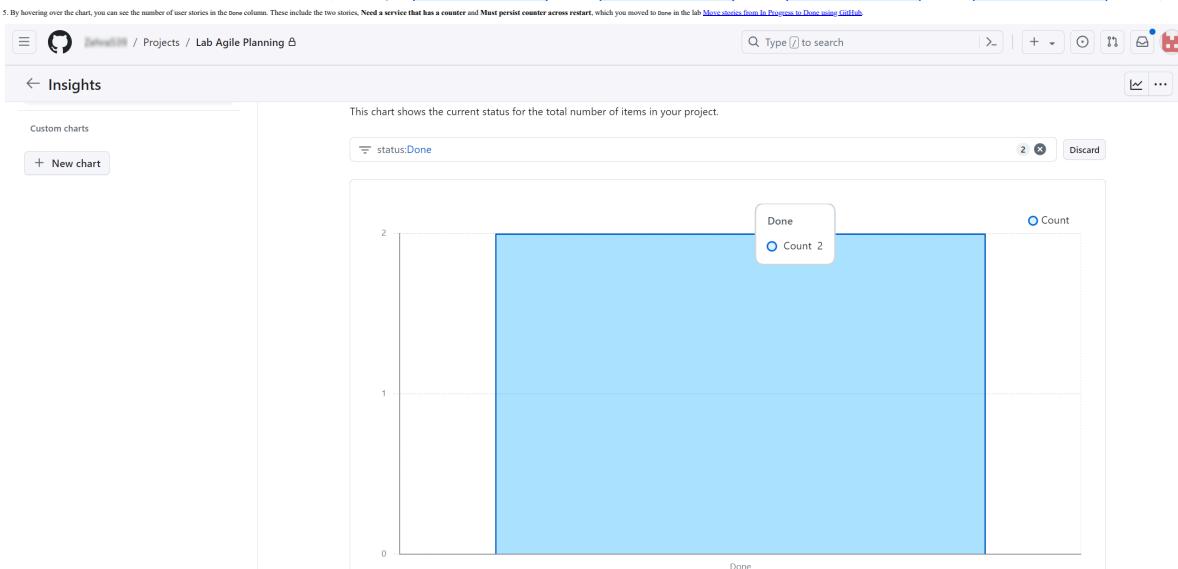
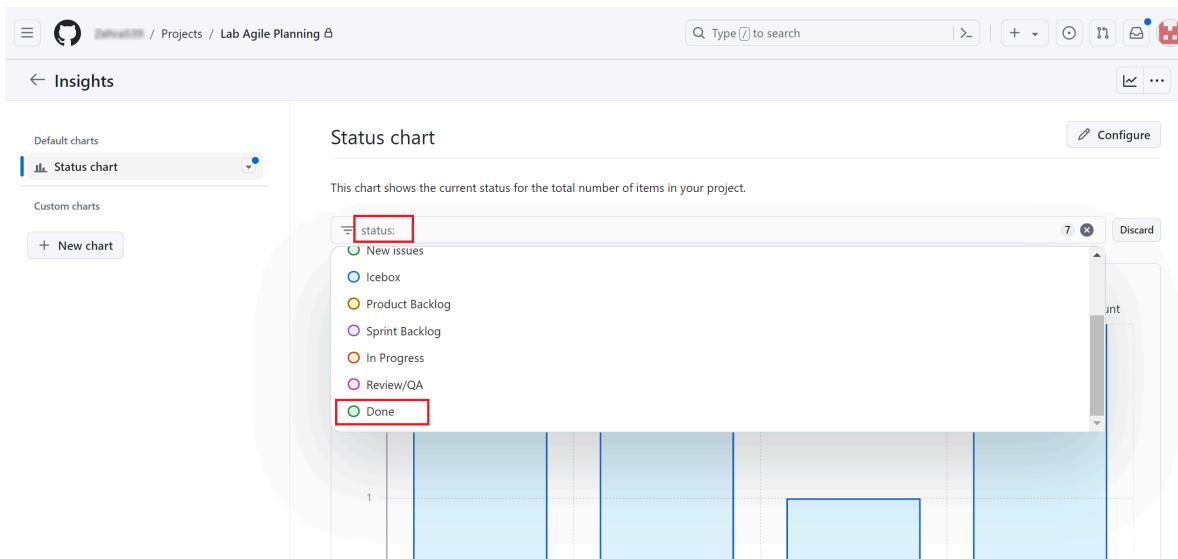
Status chart

This chart shows the current status for the total number of items in your project.

Count

Status	Count
Icebox	2
Product Backlog	2
In Progress	1
Done	0

4. To set up a burndown chart that only shows the status of the **Done** column stories instead of the default chart, apply a filter. Click **Filter by keyword or field**, type **status**, and select **status** from the dropdown. This action will display another dropdown with all the columns from your Kanban board. Select **Done**.



The final chart will appear as below:



You can use the following Colored Areas:

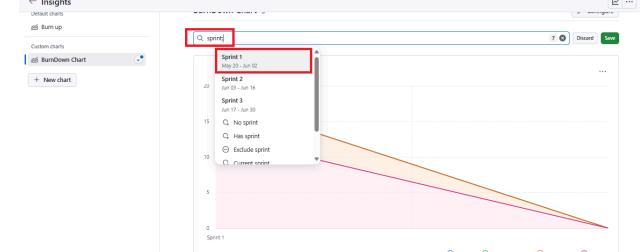
In Progress (Orange): Items still being worked on

Done (Pink): Items that have been completed

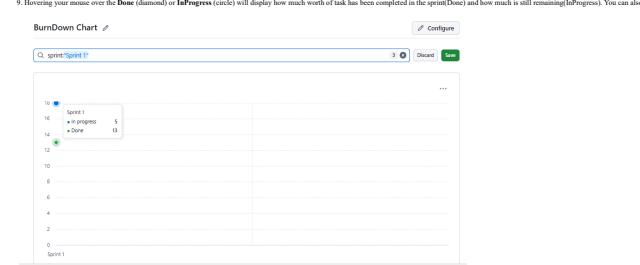
Ice Box (Blue) and Product Backlog (Green): The estimates of both are zero, so they don't appear visually

8. To focus on a specific sprint, use the filter option. Type sprint: 1 in the filter box and select the sprint as Sprint 1.

Please note that Sprint 1 refers to the first iteration of the sprint you assign to the stories in the [Handle On Lab: Build the Sprint Plan from your Product Backlog using JiraLab](#).



9. Hovering your mouse over the Done (diamond) or InProgress (circle) will display how much worth of task has been completed in the sprint(Done) and how much is still remainingInProgress). You can also see total number of story points (InProgress + Done). This provides a helpful visual indicator of your progress. The burndown chart allows you to quickly assess which stories are completed and which ones still require work.



Note: To gain deeper insights into your project, you can customize the x-axis, y-axis, and grouping options to suit your specific requirements. Additionally, you have the flexibility to modify the chart's layout to better visualize the data. By adjusting these settings, you can create more meaningful and informative representations that align with your analysis goals.

Summary

You learned how to set up a burndown chart to show the status of the done stories in your sprint. You also learned how to customize the chart to get a visual status of where you are in the sprint and see the status of individual stories. This information should help you get a good sense of how the work is progressing.

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