

Lab 6: Move stories from In Progress to Done

Estimated time needed: 10 minutes

In this lab, you will follow the daily workflow of moving stories from the sprint backlog to the In Progress pipeline, assigning them to yourself to work on them, moving them to Review/QA, and moving them to the Done pipeline.

Objectives

After completing this lab, you will be able to:

1. Assign stories to yourself.
2. Move stories to **In Progress** to work on them.
3. Move stories to **Review/QA** for team review.
4. Move stories to **Done** once they are completed.

Initial State

After completing the sprint planning lab, your kanban board should look like this:

The screenshot shows a kanban board interface with the following details:

- New Issues:** 0 Issues - 0 Points
- Icebox:** 2 Issues - 0 Points
 - lab-agile-planning #2 Must allow multiple counters
 - lab-agile-planning #6 Need the ability to remove a counter
- Product Backlog:** 2 Issues - 8 Points
 - lab-agile-planning #4 Counters can be reset
 - lab-agile-planning #7 Need ability to update a counter to a new value
- Sprint Backlog:** 3 Issues - 18 Points
 - lab-agile-planning #1 Need a service that has a counter (Sprint: Jan 10 - Jan 21)
 - lab-agile-planning #3 Must persist counter across restarts (Sprint: Jan 10 - Jan 21)
 - lab-agile-planning #5 Deploy service to the cloud (Sprint: Jan 10 - Jan 21)
- In Progress:** 0 Issues - 0 Points

A sidebar on the left provides navigation links for 'New Issues', 'Icebox', 'Product Backlog', 'Sprint Backlog', and 'In Progress'.

New Issues:

- None

Icebox:

- Must allow multiple counters
- Need the ability to remove a counter

Product Backlog:

- Counters can be reset
- Need ability to update a counter to a new value

Sprint Backlog:

- Need a service that has a counter

- Must persist counter across restarts
- Deploy service to the cloud

Exercise 1 : Daily Workflow

In this exercise, you will simulate the daily workflow of a developer on an Agile team. You will start by moving a story from the top of the **Sprint Backlog** to the **In Progress** pipeline and assign it to yourself. Then you will simulate completing the story, asking for a review, and finally moving it to done.

1. Go to app.zenhub.com and sign in with your GitHub account and bring up your kanban board.

The screenshot shows a Kanban board with the following structure:

- Pipelines:** New Issues, Icebox, Product Backlog, Sprint Backlog, In Progress.
- Product Backlog:**
 - lab-agile-planning #2 Must allow multiple counters
 - lab-agile-planning #6 Need the ability to remove a counter
 - lab-agile-planning #4 Counters can be reset (enhancement)
 - lab-agile-planning #7 Need ability to update a counter to a new value (enhancement)
 - lab-agile-planning #5 Deploy service to the cloud (technical debt)
- Sprint Backlog:**
 - lab-agile-planning #1 Need a service that has a counter
 - lab-agile-planning #8 enhancement
 - lab-agile-planning #3 Must persist counter across restarts
 - lab-agile-planning #5 Deploy service to the cloud
- In Progress:**
 - Issues currently being worked on by the team.

2. The sprint has started and you are ready to work on your first story. Select the story at the top of the **Sprint Backlog** to open it and read it.

The screenshot shows the ZenHub interface with the Sprint Backlog tab selected. The first item in the backlog, "Need a service that has a counter", is highlighted with a red box. This item is an enhancement story with an estimate of 8 points. It is currently in the In Progress column. The Sprint Backlog also contains other items like "Counters can be reset" and "Must persist counter across restarts".

3. After reading it, you decide that this is something you have the skills to work on, so you assign it to yourself.

The screenshot shows the details of the selected story, "Need a service that has a counter". The story is currently marked as Open. The details section includes the story description, "As a User I need a service that has a counter So that I can keep track of how many times something was done". Below this is the "Details and Assumptions" section, which lists requirements like "Need a way to increment a counter" and "Need a way to get the current value". To the right of the story details, there are sections for Pipelines, Labels, Sprints, and Estimate. The "Assignees" section is highlighted with a red box, and an arrow points from the text "Click assign yourself" to this box. The "Assignees" section currently shows "No one - assign yourself".

4. Once assigned, press the X to close the window.

The screenshot shows the ZenHub interface for an issue titled "Need a service that has a counter #1". The issue is assigned to "devopstudent" and was opened on August 5, 2021. The "Sprint Backlog" section lists several stories, including "Counters can be reset" and "Must persist counter across restarts". On the right side, there are sections for "Pipelines", "Labels", "Assignees", "Sprints", and "Estimate". At the top right of the main content area, there is a red box highlighting the "Close issue" button, which has a red "X" icon next to it.

5. Back at the kanban board, move the story you just assigned to yourself from the **Sprint Backlog** by dragging it to the **In Progress** pipeline.

The screenshot shows the ZenHub kanban board with four columns: "Product Backlog", "Sprint Backlog", "In Progress", and "Review/QA". The "Sprint Backlog" column contains stories like "Counters can be reset" and "Must persist counter across restarts". The "In Progress" column is currently empty. A red arrow points from the "Sprint Backlog" column towards the "In Progress" column, indicating the action of moving a story into the In Progress pipeline. Below the board, there are descriptions for each column: "In Progress" (Issues currently being worked on by the team), "Review/QA" (Issues open to the team for review and testing. Code complete, pending feedback), and "Done" (Issues tested and deployed to production).

6. Everyone now knows that you are working on this story. You would normally create a branch in GitHub to start working on your code. For this lab, just make sure that your kanban board looks like the one below. (Note: Your avatar may look different.)

The screenshot shows a Kanban board with the following layout:

- Product Backlog:** 2 Issues - 8 Points. Contains three items: lab-agile-planning #4 (enhancement), lab-agile-planning #7 (enhancement), and lab-agile-planning #5 (enhancement).
- Sprint Backlog:** 2 Issues - 10 Points. Contains three items: lab-agile-planning #3 (enhancement), lab-agile-planning #5 (enhancement), and lab-agile-planning #6 (technical debt).
- In Progress:** 1 Issue - 8 Points. Contains one item: lab-agile-planning #1 (enhancement).
- Review/QA:** 0 Issues - 0 Points. Contains one item: lab-agile-planning #1 (enhancement).
- Done:** 0 Issues - 0 Points.

A red arrow points from the "In Progress" column to the "Review/QA" column.

7. Once you finish working on the story, it's time to request a review. It's always a good idea to get two sets of eyes on all work products. If you checked code into GitHub, this is the step where you would make a pull request to merge your code into the **master** branch. Move your story from **In Progress** to **Review/QA**.

The screenshot shows the Kanban board after the story has been moved:

- Product Backlog:** 2 Issues - 8 Points. Contains three items: lab-agile-planning #4 (enhancement), lab-agile-planning #7 (enhancement), and lab-agile-planning #5 (enhancement).
- Sprint Backlog:** 2 Issues - 10 Points. Contains three items: lab-agile-planning #3 (enhancement), lab-agile-planning #5 (enhancement), and lab-agile-planning #6 (technical debt).
- In Progress:** 0 Issues - 0 Points.
- Review/QA:** 1 Issue - 8 Points. Contains one item: lab-agile-planning #1 (enhancement).
- Done:** 0 Issues - 0 Points.

A red arrow points from the "In Progress" column to the "Review/QA" column.

8. While you are waiting for a review, you decide to start working on another story. Take the next story off of the top of the **Sprint Backlog**, read it to make sure that you have the skills to implement it, (*Hint: You do.*) assign it to yourself, and move it to **In Progress**.

The screenshot shows a ZenHub board with five columns: Product Backlog, Sprint Backlog, In Progress, Review/QA, and Done. The In Progress column contains one story, "lab-agile-planning #3 Must persist counter across restarts", which is highlighted with a red border. This story has a due date of Jan 10 - Jan 21 and is categorized as enhancement. The Sprint Backlog column contains one story, "lab-agile-planning #5 Deploy service to the cloud". The Done column contains one story, "lab-agile-planning #1 Need a service that has a counter". The Product Backlog and Review/QA columns each contain two stories. A note on the right says "Done: Issues tested and deployed to production".

9. Your pull request on your initial story has been approved and the review process is complete. Move the story "Need a service that has a counter" from the **Review/QA** pipeline to the **Done** pipeline.

The screenshot shows the same ZenHub board. The In Progress column still contains the story from the previous step. The Review/QA column now contains the story "lab-agile-planning #1 Need a service that has a counter", which is highlighted with a red arrow pointing to it. The Done column contains the same story as before. The Sprint Backlog and Product Backlog columns remain the same. A note on the right says "Review/QA: Issues open to the team for review and testing. Code complete, pending feedback."

10. You have completed work on your second story and made another pull request. Move the story "Must persist counter across restarts" from **In Progress** to **Review/QA** to request a review.

The screenshot shows a ZenHub board with four columns: Sprint Backlog, In Progress, Review/QA, and Done. In the In Progress column, a story titled "lab-agile-planning #3 Must persist counter across restarts" is highlighted with a red arrow pointing to it. This story has a priority of 5 and is labeled as "technical debt".

Sprint Backlog	In Progress	Review/QA	Done
1 Issue - 5 Points	0 Issues - 0 Points	1 Issue - 5 Points	1 Issue - 8 Points
lab-agile-planning #5 Deploy service to the cloud Sprint: Jan 10 - Jan 21	lab-agile-planning #3 Must persist counter across restarts Sprint: Jan 10 - Jan 21	lab-agile-planning #1 Need a service that has a counter Sprint: Jan 10 - Jan 21	lab-agile-planning #1 Need a service that has a counter Sprint: Jan 10 - Jan 21
5 technical debt	5 enhancement	8 enhancement	8 enhancement

11. Take the last story, "Deploy service to the cloud", off of the top of the **Sprint Backlog**, assign it to yourself, and move it to **In Progress**.

The screenshot shows a ZenHub board with four columns: Sprint Backlog, In Progress, Review/QA, and Done. In the Sprint Backlog column, a story titled "lab-agile-planning #5 Deploy service to the cloud" is highlighted with a red arrow pointing to it. This story has a priority of 5 and is labeled as "technical debt".

Sprint Backlog	In Progress	Review/QA	Done
0 Issues - 0 Points	1 Issue - 5 Points	1 Issue - 5 Points	1 Issue - 8 Points
lab-agile-planning #5 Deploy service to the cloud Sprint: Jan 10 - Jan 21	lab-agile-planning #3 Must persist counter across restarts Sprint: Jan 10 - Jan 21	lab-agile-planning #1 Need a service that has a counter Sprint: Jan 10 - Jan 21	lab-agile-planning #1 Need a service that has a counter Sprint: Jan 10 - Jan 21
5 technical debt	5 enhancement	8 enhancement	8 enhancement

12. The review of your second story is complete. Move the story "Must persist counter across restarts" from **Review/QA** to **Done**.

The screenshot shows a Kanban board with five columns: Sprint Backlog, In Progress, Review/QA, and Done. The Review/QA column contains one story: "lab-agile-planning #3 Must persist counter across restarts". A red arrow points from this story to the Done column, which also contains the same story.

Sprint Backlog	In Progress	Review/QA	Done
0 Issues - 0 Points	1 Issue - 5 Points	0 Issues - 0 Points	2 Issues - 13 Points
Issues ready to be worked on in the sprint, prioritized top-to-bottom.			
lab-agile-planning #3 Must persist counter across restarts Sprint: Jan 10 - Jan 21			
5 technical debt			

13. The sprint has ended and we have run out of time to complete our last story, "Deploy service to the cloud", which is still in progress. We will see how to deal with this in a future lab. Leave it where it is for now.

The finished kanban board for this lab should look like this:

The screenshot shows a Kanban board with the same five columns: Sprint Backlog, In Progress, Review/QA, and Done. The Review/QA column contains one story: "lab-agile-planning #3 Must persist counter across restarts". A red arrow points from this story to the Done column, which now contains two stories: "lab-agile-planning #1 Need a service that has a counter" and "lab-agile-planning #3 Must persist counter across restarts".

Sprint Backlog	In Progress	Review/QA	Done
0 Issues - 0 Points	1 Issue - 5 Points	0 Issues - 0 Points	2 Issues - 13 Points
Issues ready to be worked on in the sprint, prioritized top-to-bottom.			
lab-agile-planning #3 Must persist counter across restarts Sprint: Jan 10 - Jan 21			
5 technical debt			

Summary

You learned how to assign stories to yourself, and move the story to **In Progress** to work on it. You also learned how to move stories to **Review/QA** to request a team review, and to move stories to **Done** once they are completed.

Author(s)

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Changelog

Date	Version	Changed by	Change Description
2021-08-07	0.1	John Rofrano	Initial version created

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