

Lab 3: Assemble your Product Backlog

Estimated time needed: 15 minutes

In this lab, you will create seven user stories based on the requirements given. The first four will be given to you so that you can just cut and paste to get familiar with ZenHub. The last three you will need to create by yourself. You will then prioritize these stories and move them into the appropriate pipelines on your kanban board.

Objectives

After completing this lab, you will be able to:

1. Create new user stories using GitHub issues.
 2. Prioritize the product backlog.
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Exercise 1 : Create new user stories using GitHub issues

In this exercise, you will create the following user stories using ZenHub:

Stories from the Lesson:

Title: Need a service that has a counter

- As a User, I need a service that has a counter, So that I can keep track of how many times something was done.

Title: Must allow multiple counters

- As a User, I need to have multiple counters, So that I can keep track of several counts at once.

Title: Must persist counter across restarts

- As a Service Provider, I need the service to persist the last known count, So that users don't lose track of their counts after the service is restarted.

Title: Counters can be reset

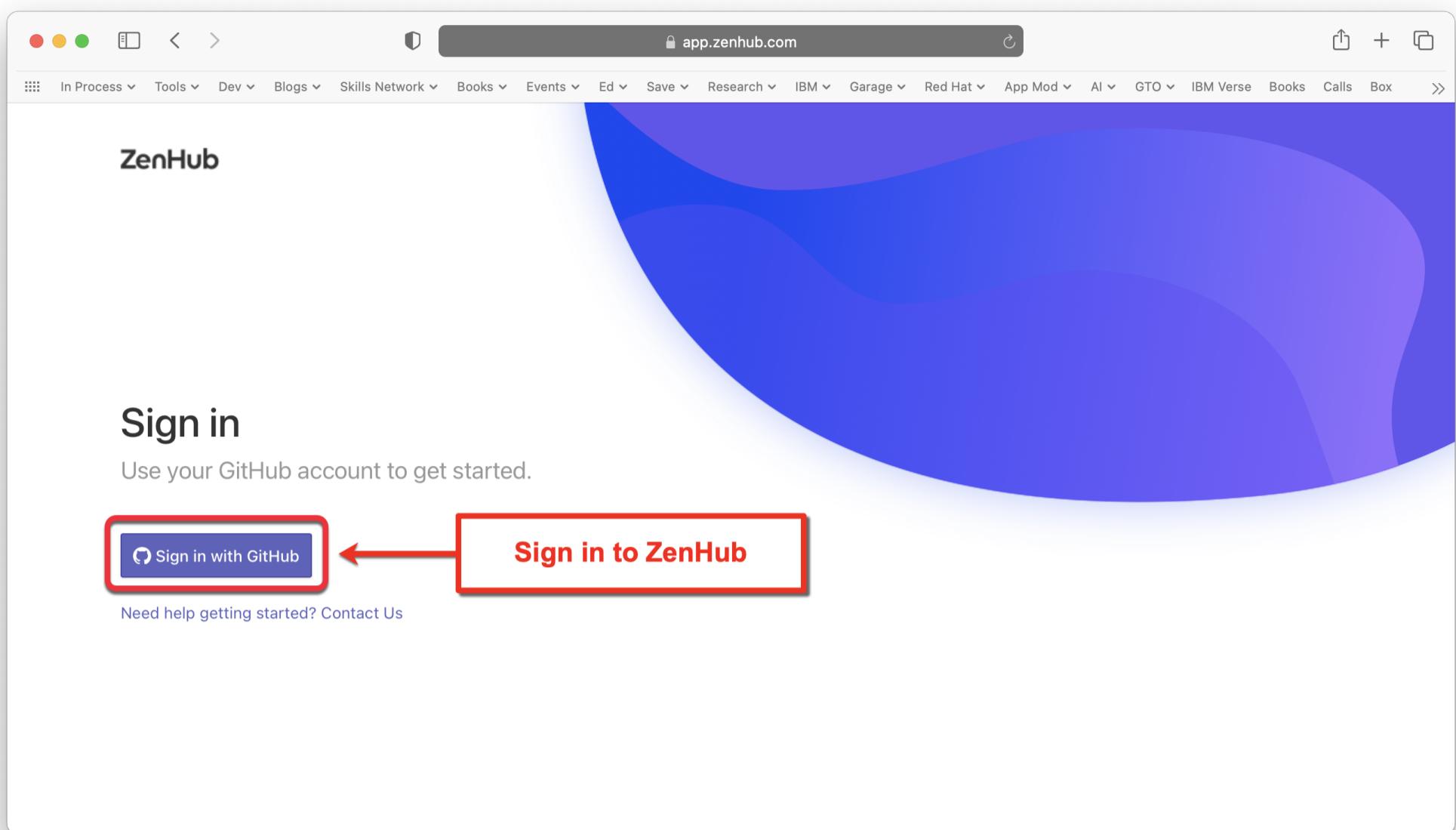
- As a System Administrator, I need the ability to reset the counter, So that I can redo counting from the start.

New Requirements:

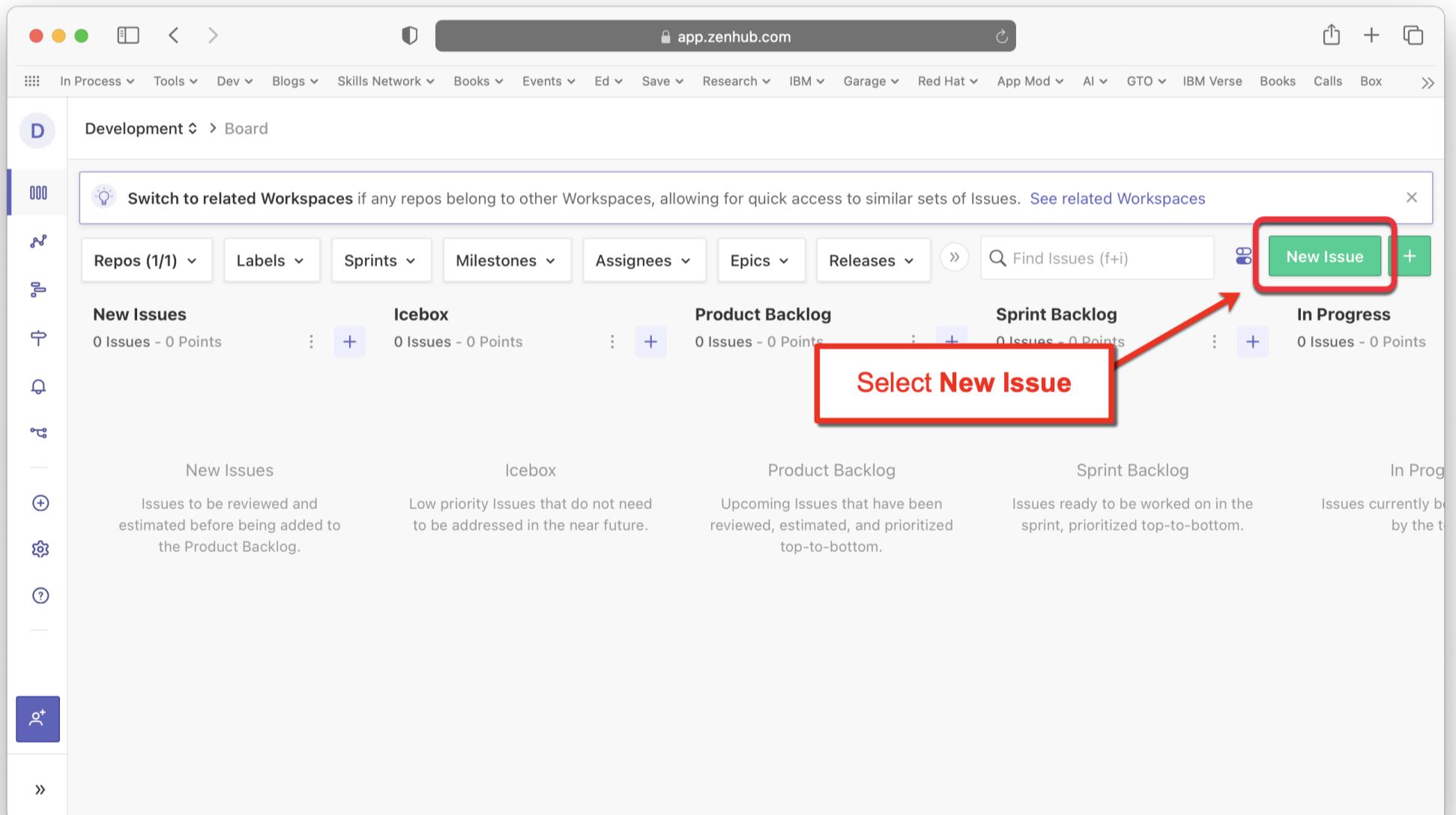
- Deploy service to the cloud.
- Need the ability to remove a counter.
- Need the ability to update a counter to a new value.

You will use ZenHub to enter these stories as issues in GitHub using the template that you created in [Lab 2](#).

1. Goto app.zenhub.com and sign in with your GitHub account.



2. From your kanban board view, select **New Issue**.



3. From the **Template** dropdown, select **User Story**.

The screenshot shows the ZenHub application interface. On the left, there's a sidebar with various project management filters like 'Repos (1/1)', 'Labels', 'Sprints', and 'Milestones'. The main area is titled 'Create a new Issue'. At the top, there are dropdown menus for 'Type' (set to 'Issue') and 'Template' (set to 'User Story'). A tooltip says: 'Tip! Toggle between multiple Issue templates created in this repo using the template switcher.' Below these are sections for 'Issue title' (containing 'Title of this Issue'), 'Write' (with rich text editor tools), and 'Preview'. To the right, there are sections for 'Pipelines', 'Labels', 'Sprints', and 'Milestone'. A red box highlights the 'Template' dropdown, and a red callout box points to the 'User Story' option with the instruction 'Select the User Story template'.

4. Enter the title for the first story **Need a service that has a counter** and fill out just the user story section (i.e., As a, I need, So that) for now.

This screenshot continues from the previous one. The 'Issue title' field now contains the text 'Need a service that has a counter'. A red box highlights this field, and a red callout box points to the 'User Story' section below it with the instruction 'Fill in just the title and user story section'. The rest of the 'Write' and 'Preview' sections are empty. The right-hand sidebar remains the same as in the previous screenshot.

5. Scroll to the bottom of the page and press **Submit new Issue**.

The screenshot shows the ZenHub application interface. On the left, there's a sidebar with various icons and a 'Development' board view. In the center, a modal window titled 'Create a new Issue' is open. The 'Issue title' field contains the text 'Need a service that has a counter'. Below the title, there's a rich text editor with placeholder text: '**As a** User, **I need** a service that has a counter, **So that** I can keep track of how many times something was done. It also includes sections for 'Details and Assumptions' and 'Acceptance Criteria', both containing bullet points. To the right of the modal, several settings panels are visible: 'priority status', 'Labels', 'Assignees', 'Sprints', 'Milestone', 'Estimate', and 'Epic'. At the bottom right of the modal, there are 'Cancel' and 'Submit new Issue' buttons, with the latter being highlighted by a red box.

6. Press the X icon in the upper right corner to close the new issue. Note that it now shows up in your **New Issues** pipeline.

The screenshot shows the ZenHub application after the issue has been submitted. The central area displays the newly created issue titled 'Need a service that has a counter #1'. The issue details are identical to the ones in the previous screenshot. To the right, the 'Pipelines' section shows the 'New Issues' pipeline with the new issue pinned at the top. A red box highlights the 'New Issues' pipeline, and another red box highlights the 'X' icon in the top right corner of the issue card. A red arrow points from the text 'You new issue' to the issue card, and another red arrow points from 'Press X to close' to the 'X' icon.

7. Continue adding stories until all seven stories are created and your kanban board looks like this. Note that the first four stories are given to you from the lesson. You will need to create your own role, function, and benefit for the last three stories.

The screenshot shows a ZenHub kanban board titled "Development". The board is organized into five main pipelines:

- New Issues**: Contains 7 issues. Stories include:
 - lab-agile-planning #1 Need a service that has a counter
 - lab-agile-planning #2 Must allow multiple counters
 - lab-agile-planning #3 Must persist counter across restarts
 - lab-agile-planning #4 Counters can be reset
 - lab-agile-planning #5 Deploy service to the cloud
 - lab-agile-planning #6 Need the ability to remove a counter
 - lab-agile-planning #7 Need ability to update a counter to a new value
- Icebox**: Contains 0 issues. Description: Low priority Issues that do not need to be addressed in the near future.
- Product Backlog**: Contains 0 issues. Description: Upcoming Issues that have been reviewed, estimated, and prioritized top-to-bottom.
- Sprint Backlog**: Contains 0 issues. Description: Issues ready to be worked on in the sprint, prioritized top-to-bottom.
- In Progress**: Contains 0 issues. Description: Issues currently being worked on by the team.

Exercise 2 : Prioritize the product backlog

In this exercise, you will move issues between pipelines to recreate the kanban board from the video lesson **Building the Product Backlog**. This will simulate an initial starting point for our next lab on backlog refinement. Please note that you can move the issues between pipelines by simply dragging and dropping them from one pipeline to the other.

1. Move the **Need a service that has a counter** story to the top of the **Product Backlog** pipeline.
2. Move the **Must allow multiple counters** story to the **Icebox** pipeline.
3. Move the **Must persist counter across restarts** story to the bottom of the **Product Backlog** pipeline.
4. Move the **Counters can be reset** story to the bottom of the **Product Backlog** pipeline.
5. Leave the remaining stories in the **New Issues** pipeline for now. We will move them in a later lab.

At the completion of this exercise, your kanban board should look like this:

The screenshot shows the ZenHub application interface for managing a product backlog. The top navigation bar includes links for 'Development' and 'Board'. Below the navigation are several filter and search options: 'Repos (1/1)', 'Labels', 'Sprints', 'Milestones', 'Assignees', 'Epics', 'Releases', a search bar 'Find Issues (f+i)', and buttons for 'New Issue' and '+'. The main area displays a board with five columns: 'New Issues', 'Icebox', 'Product Backlog', 'Sprint Backlog', and 'In Progress'. Each column has a summary row with counts and points, followed by a list of specific issues. The 'New Issues' column contains three items: 'lab-agile-planning #5 Deploy service to the cloud', 'lab-agile-planning #6 Need the ability to remove a counter', and 'lab-agile-planning #7 Need ability to update a counter to a new value'. The 'Icebox' column contains one item: 'lab-agile-planning #2 Must allow multiple counters'. The 'Product Backlog' column contains three items: 'lab-agile-planning #1 Need a service that has a counter', 'lab-agile-planning #3 Must persist counter across restarts', and 'lab-agile-planning #4 Counters can be reset'. The 'Sprint Backlog' and 'In Progress' columns both show zero items.

Summary

You learned how to create new stories in ZenHub using Issues in GitHub and a User Story template. You also learned how to quickly prioritize your product backlog. You now have enough stories in your repository to start planning with ZenHub.

Author(s)

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Changelog

Date	Version	Changed by	Change Description
2021-08-03	0.1	John Rofrano	Initial version created