

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

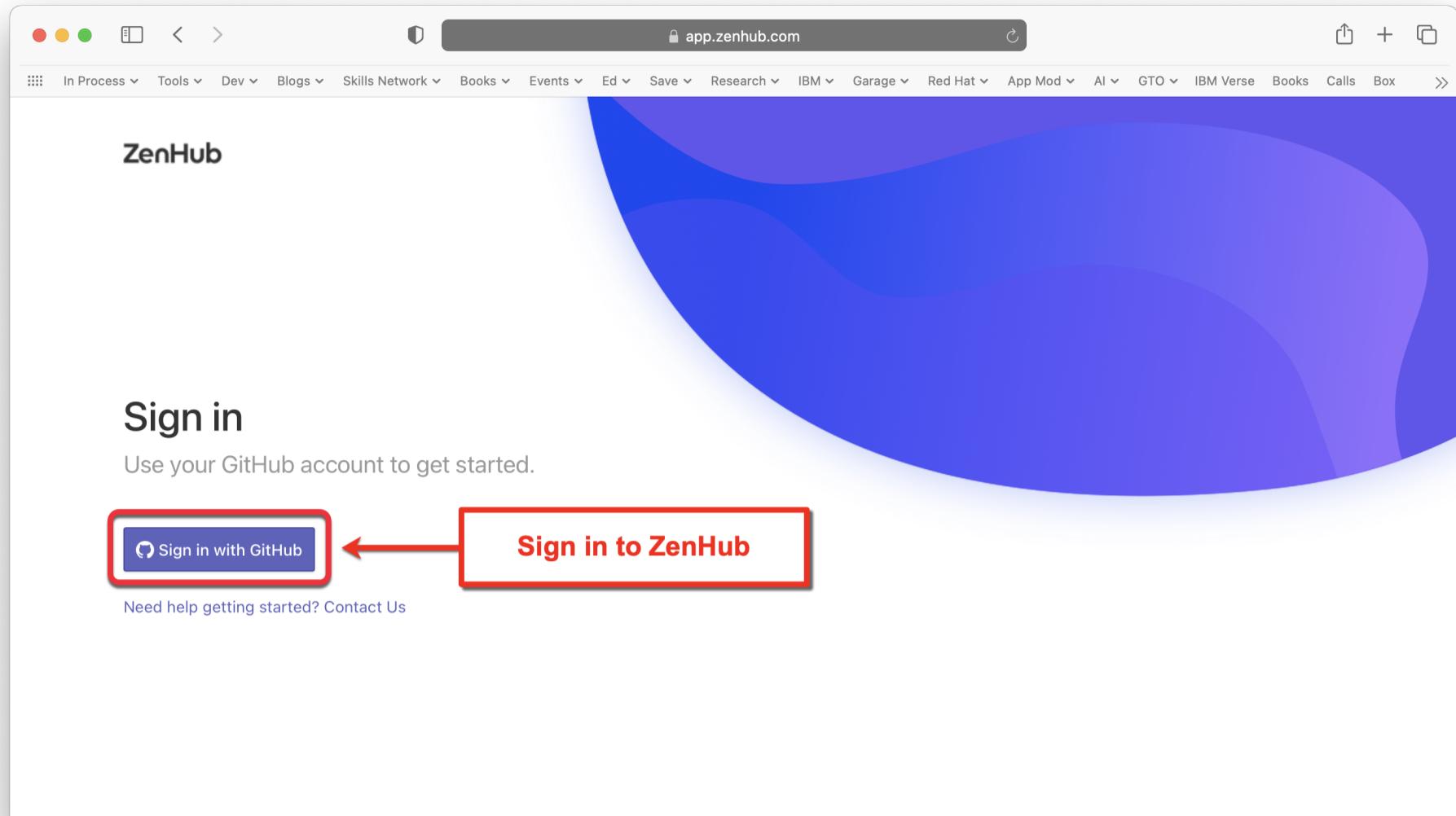
- As a System Administrator, I need the ability to reset the counter, So that I can redo counting from the start.

New Requirements:

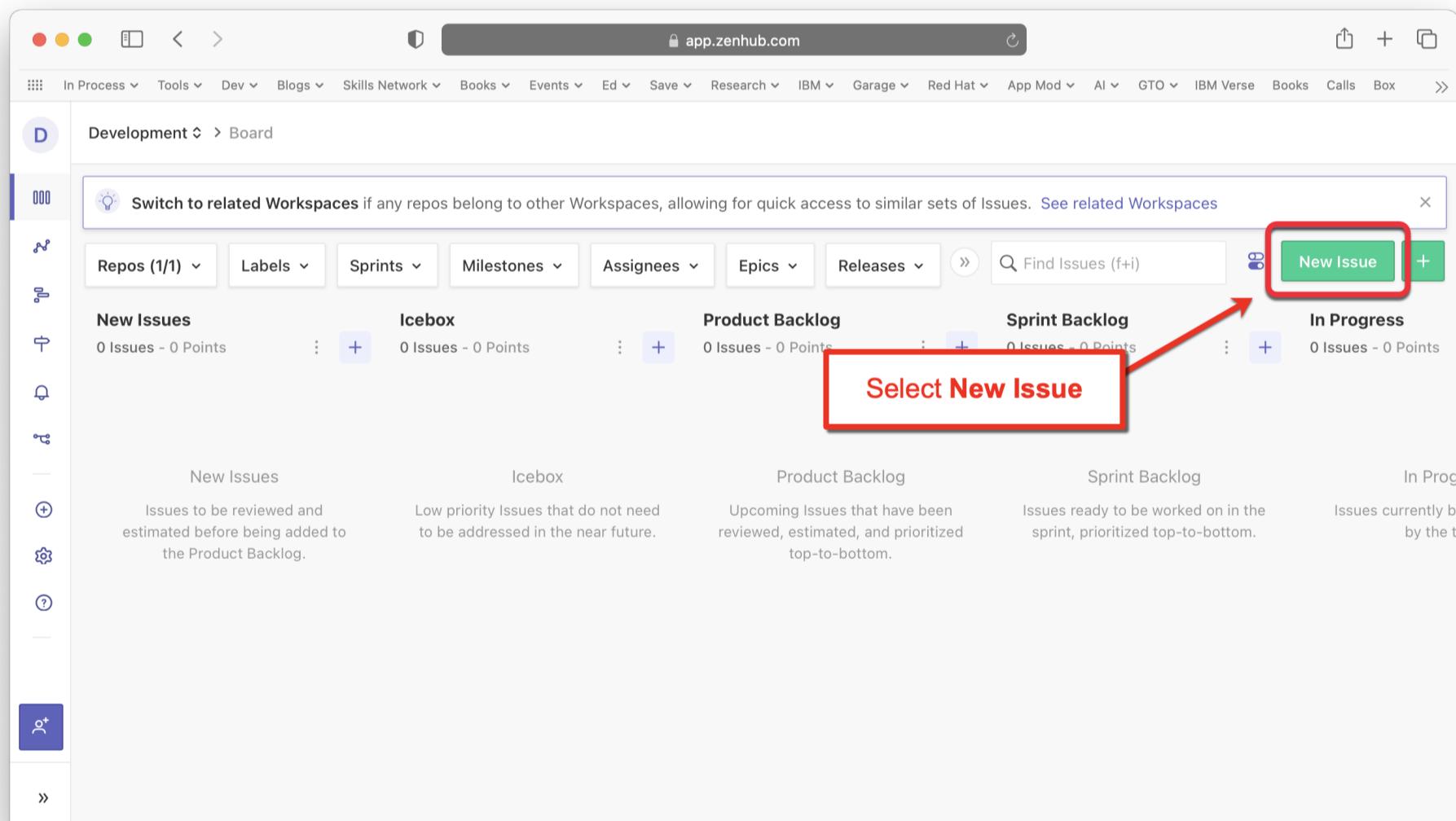
- Deploy service to the cloud.
- Need the ability to remove a counter.
- Need the ability to update a counter to a new value.

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 tools like Repos, Labels, Sprints, and Milestones. The main area is titled 'Create a new Issue'. In the top right, there's a 'Template' dropdown set to 'User Story'. A red box highlights this dropdown, and a red callout with the text 'Select the User Story template' points to the 'User Story' option in the dropdown menu. The 'Issue title' field contains 'Title of this Issue'. Below it, the 'Write' tab is selected, showing Gherkin steps: '**As a** [role], **I need** [function], **So that** [benefit]. The 'Preview' tab is also visible.

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.

The screenshot shows the Zenhub application interface. The 'Issue title' field is filled with 'Need a service that has a counter'. A red box highlights this field, and a red callout with the text 'Fill in just the title and user story section' points to the 'User Story' section in the 'Write' tab. The 'Write' tab is selected, showing the Gherkin steps: '**As a** User, **I need** a service that has a counter, **So that** I can keep track of how many times something was done. The 'Preview' tab is also visible.

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

The screenshot shows the Zenhub interface for creating a new issue. The title field contains 'Need a service that has a counter'. The 'Write' tab is selected. A red box highlights the 'Submit new Issue' button at the bottom right of the editor.

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 interface after the issue has been submitted. The 'New Issues' pipeline now contains one item: 'lab-agile-planning #1 Need a service that has a counter'. A red box highlights the 'X' close button in the top right corner of the issue card. Another red box highlights the issue card itself with the text 'Your new issue'.

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 with the following state:

- New Issues**: 7 Issues - 0 Points. Contains stories: lab-agile-planning #1, lab-agile-planning #2, lab-agile-planning #3, lab-agile-planning #4, lab-agile-planning #5, lab-agile-planning #6, lab-agile-planning #7.
- Icebox**: 0 Issues - 0 Points. Contains story: lab-agile-planning #1.
- Product Backlog**: 0 Issues - 0 Points. Contains story: lab-agile-planning #2.
- Sprint Backlog**: 0 Issues - 0 Points.
- In Progress**: 0 Issues - 0 Points.

Tooltips for the columns:

- New Issues: Low priority Issues that do not need to be addressed in the near future.
- Icebox: Upcoming Issues that have been reviewed, estimated, and prioritized top-to-bottom.
- Product Backlog: Issues ready to be worked on in the sprint, prioritized top-to-bottom.
- Sprint Backlog: Issues currently being worked on by the team.
- In Progress: 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 board is organized into several columns:

- New Issues**: Contains 3 issues with 0 points. Examples include "lab-agile-planning #5 Deploy service to the cloud" and "lab-agile-planning #6 Need the ability to remove a counter".
- Icebox**: Contains 1 issue with 0 points: "lab-agile-planning #2 Must allow multiple counters".
- Product Backlog**: Contains 3 issues with 0 points. Examples include "lab-agile-planning #1 Need a service that has a counter" and "lab-agile-planning #3 Must persist counter across restarts".
- Sprint Backlog**: Contains 0 issues with 0 points. A note says: "Sprint Backlog: Issues ready to be worked on in the sprint, prioritized top-to-bottom."
- In Progress**: Contains 0 issues with 0 points. A note says: "In Progress: Issues currently being worked on by the team."

At the top, there are navigation buttons for Repos (1/1), Labels, Sprints, Milestones, Assignees, Epics, Releases, and a search bar for Find Issues (f+i). There are also buttons for New Issue and adding a new item (+).

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