

Lab: Assemble Your Product Backlog Using GitHub

Estimated time needed: 20 minutes

In this lab, you will create seven user stories based on the requirements given. The first four will be given to you. You only have to cut and paste them to get familiar with creating user stories in GitHub. You will have to create the last three user stories yourself. You will then prioritize these stories and move them into appropriate columns 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.

Exercise 1: Create new user stories using GitHub issues

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

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 has been 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.

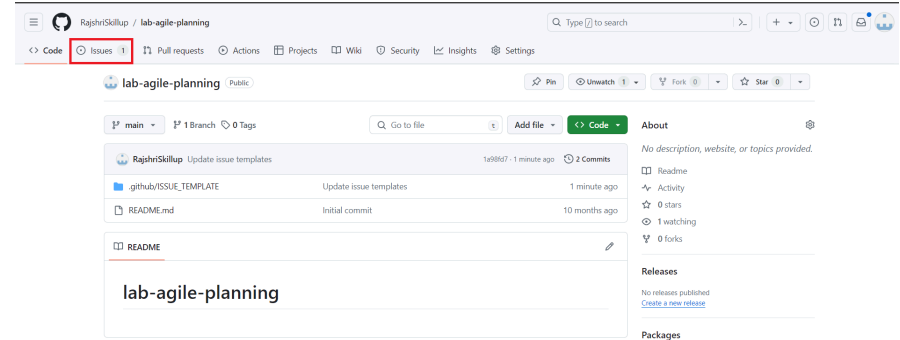
New requirements:

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

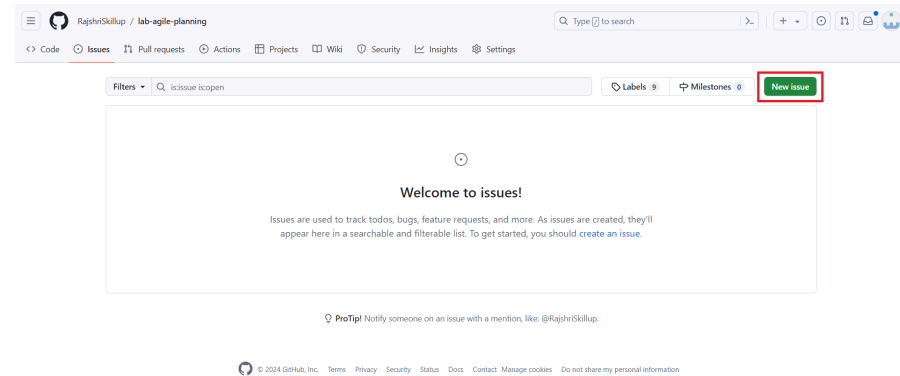
Prerequisite:

Please ensure that you have created the Issue template. If the template hasn't been created yet, kindly complete this lab [Hands-on-lab: Create an issue template in GitHub](#).

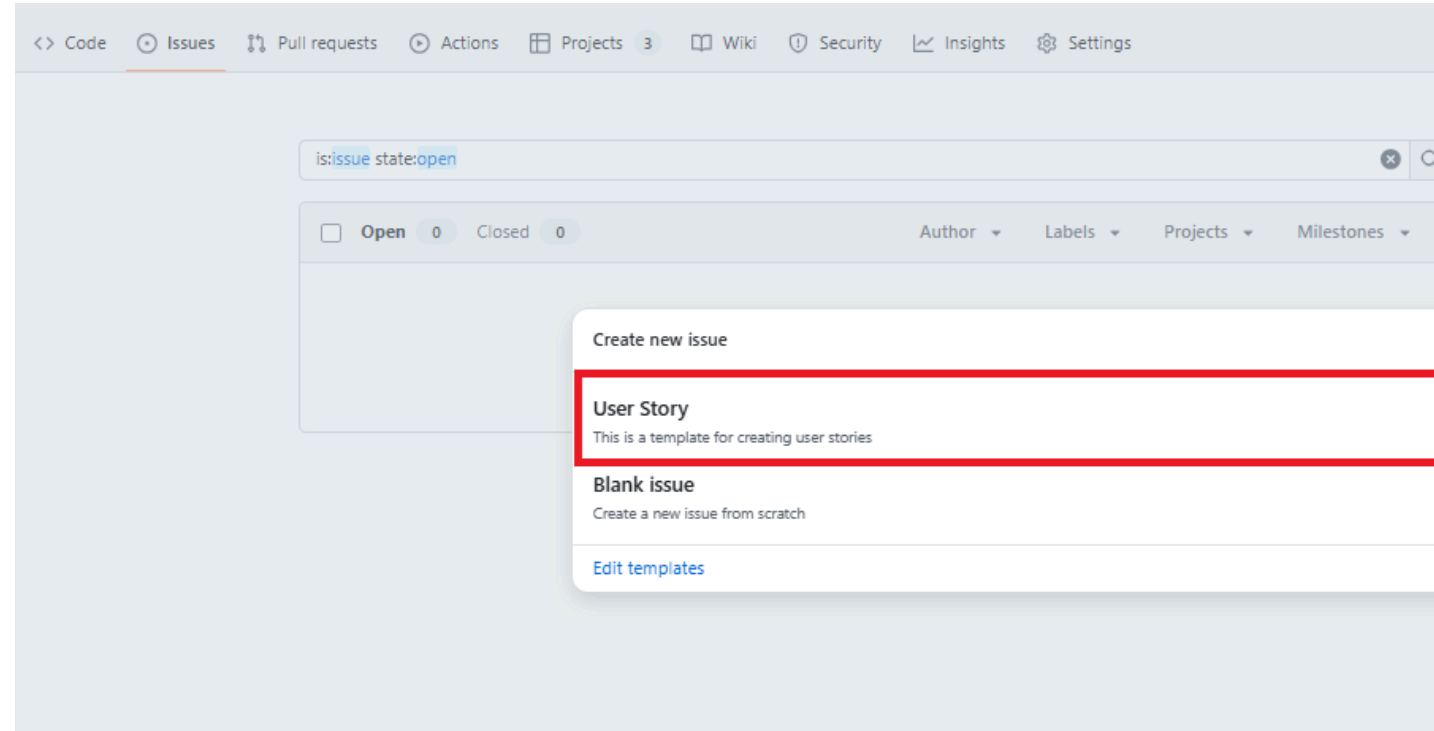
- Go to the Issues tab of lab-agile-planning repository.



- Click on the new Issue button.



- You'll see your template listed here. Click on the user Story icon.



- Enter the title for the first story as **Need a service that has a counter** and update the user story section (i.e., As a I need, So that) for now. Once done, click **Create** button.

Create new issue

User Story · [Choose a different template](#)

Add a title *

Need a service that has a counter

Add a description

WritePreview

HBI|≡<>|≡≡9≡|@↗

As a User,

I need a service that has a counter,

So that I can keep track of how many times something was done

Details and Assumptions

* [document what you know]

Acceptance Criteria

""gherkin

Given [some context]

When [certain action is taken]

Then [the outcome of action is observed]

""

Paste, drop, or click to add files

Create more

Cancel

Create

5. Your first user story is now created and should resemble the screenshot shown below.

RajshriSkillup / lab-agile-planning

Q Type to search

<> Code Issues 1 Pull requests Actions Projects Wiki Security Insights Settings

Need a service that has a counter #1

EditNew issue

OpenRajshriSkillup opened this issue now · 0 comments

RajshriSkillup commented now

Owner · ...

As a User,

I need a service that has a counter,

So that I can keep track of how many times something was done.

Details and Assumptions

• [document what you know]

Acceptance Criteria

Given [some context]

When [certain action is taken]

Then [the outcome of action is observed]

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Create a branch for this issue or link a pull request.

Notifications

Customize

6. To add the created user story to the Kanban board, click the settings button next to the Projects option, and then choose the Lab Agile Planning project from the dropdown that you created in the [Hands-on Lab: Get Set Up in GitHub](#).

RajshriSkillup / lab-agile-planning

Q Type to search

<> Code Issues 1 Pull requests Actions Projects 1 Wiki Security Insights Settings

Need a service that has a counter #1

EditNew issue

OpenRajshriSkillup opened this issue 17 hours ago · 0 comments

RajshriSkillup commented 17 hours ago

Owner · ...

As a User,

I need a service that has a counter,

So that I can keep track of how many times something was done.

Details and Assumptions

• [document what you know]

Acceptance Criteria

Given [some context]

When [certain action is taken]

Then [the outcome of action is observed]

Assignees

No one—assign yourself

Labels

None yet

Projects

Filter projects

RecentRepositoryUser

Lab Agile Planning

RajshriSkillup

Notifications

Customize

7. Next, select the status dropdown menu and choose New Issues. This action will move the created user story to the 'New Issues' column on the Kanban board.

<> CodeIssues 1Pull requestsActionsProjects 1WikiSecurityInsightsSettings

Need a service that has a counter #1

OpenRajshriSkillup opened this issue 17 hours ago · 0 comments

Owner

...

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

Details and Assumptions

- [document what you know]

Acceptance Criteria

Given [some context]
When [certain action is taken]
Then [the outcome of action is observed]

AssigneesNo one—assign yourself

LabelsNone yet

ProjectsLab Agile PlanningStatus: No status

IceboxProduct BacklogSprint BacklogsIn ProgressDone

NotificationsCustomize

New issue

RajshriSkillup added this to Lab Agile Planning 2 minutes ago

8. To view the newly created user story on the Kanban board, navigate to the Projects tab and select the project titled Lab Agile Planning.

RajshriSkillup / lab-agile-planning

CodeIssues 1Pull requestsActionsProjects 1WikiSecurityInsightsSettings

IsopenLink a project

1 Open0 ClosedSort

Lab Agile PlanningPrivate

9. You'll notice that the newly created user story is now listed under the New issues column.

RajshriSkillup / Projects / Lab Agile Planning

Lab Agile PlanningAdd status update

BacklogPriority boardTeam itemsRoadmapIn reviewMy itemsNew view

Filter by keyword or by fieldDiscardSave

New issues1/5Estimate: 0...lab-agile-planning #1Need a service that has a counterAdd item

Icebox0Estimate: 0...Add item

Product Backlog0/3Estimate: 0...Add item

Sprint Backlogs0/5Estimate: 0...Add item

In Progress0Estimate: 0...Add item

10. Since we have to create a total of seven user stories, let's adjust the default limit to 7. To achieve this, click the three dots from the new Issues column, then select the Set limit option.

RajshriSkillup / Projects / Lab Agile Planning

Lab Agile PlanningAdd status update

BacklogPriority boardTeam itemsRoadmapIn reviewMy itemsNew view

Filter by keyword or by fieldDiscardSave

New issues1/5Estimate: 0...ItemsArchive allDelete allColumnSet limitEdit detailsHide from viewDelete

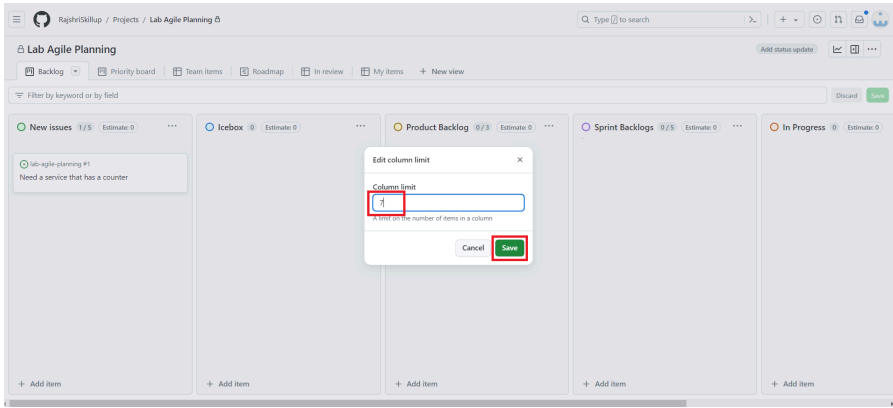
Icebox0Estimate: 0...Add item

Product Backlog0/3Estimate: 0...Add item

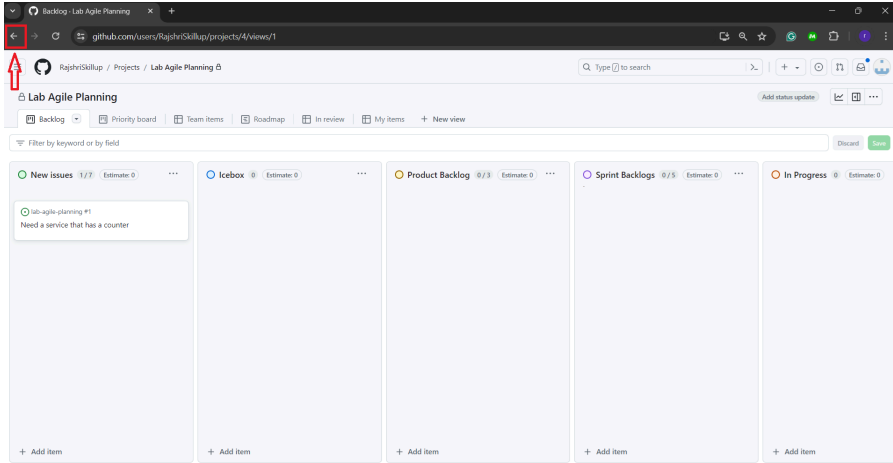
Sprint Backlogs0/5Estimate: 0...Add item

In Progress0Estimate: 0...Add item

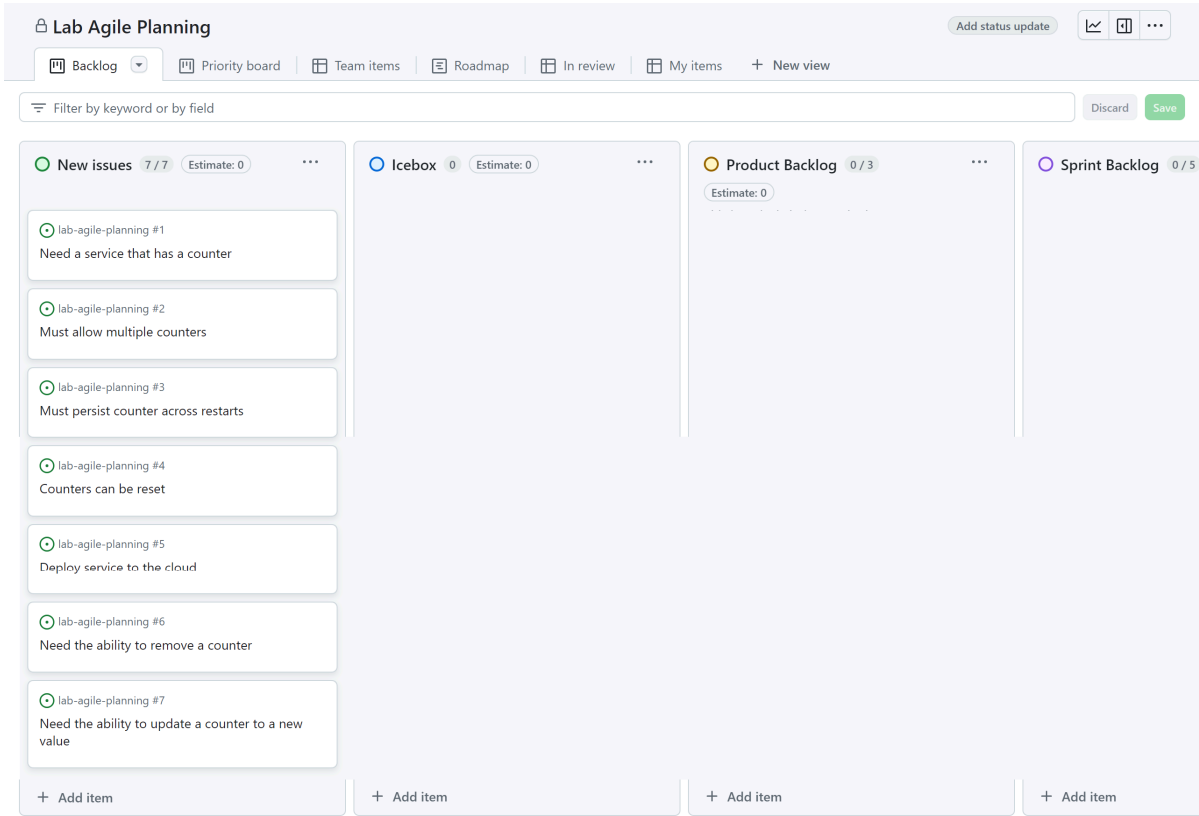
11. Enter the limit as 7 in the Column limit text field and click save.



Please note that, similar to this, you can choose to modify the limits of other columns or keep the default limits.
12. To return to the 'Issues' tab for creating new user stories, simply click on the browser's back button.



13. Continue adding stories until all seven are created and your Kanban board resembles the screenshot shown below. The first four stories are provided in the lesson. You will need to create your own role, function, and benefit for the last three stories.



Exercise 2: Prioritize the product backlog

In this exercise, you will move issues between columns 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 columns by simply dragging and dropping them from one column to the other.

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

At the completion of this exercise, your Kanban board should look like the one shown below:

Lab Agile Planning

Add status update

Backlog

Priority board

Team items

Roadmap

In review

My items

New view

Filter by keyword or by field

Discard

Save

New issues3 / 7Estimate: 0

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 the ability to update a counter to a new value

+ Add item

Icebox1Estimate: 0

lab-agile-planning #2

Must allow multiple counters

+ Add item

Product Backlog3 / 3Estimate: 0

Need a service that has a counter

lab-agile-planning #3

Must persist counter across restarts

lab-agile-planning #4

Counters can be reset

+ Add item

Sprint Backlog0 / 5

+ Add item

Summary

You learned how to create new stories in GitHub 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 GitHub.

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