

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](#).

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

The screenshot shows the GitHub interface for the repository 'lab-agile-planning' by user 'RajshriSkillup'. The repository is public. The navigation bar at the top includes links for Code, Issues (highlighted with a red box and a count of 1), Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the navigation bar, the repository name 'lab-agile-planning' is displayed with a 'Public' badge. To the right are buttons for Pin, Unwatch (with a count of 1), and Fork. Below this, there's a section for branches and tags, showing 'main' as the selected branch, 1 branch, and 0 tags. A search bar 'Go to file' and buttons for 'Add file' and 'Code' are present. The commit history shows two commits: 'Update issue templates' by RajshriSkillup 1 minute ago (commit 1a98fd7) and 'Initial commit' 10 months ago. Below the commit history is the README section, which contains the text 'lab-agile-planning'. On the right side, there's a sidebar with sections: 'About' (No description), 'Readme', 'Activity', '0 stars', '1 watch', '0 forks', 'Releases' (No releases published, with a link 'Create a new release'), and 'Packages' (No packages published, with a link 'Publish your first package').

28/01/2026, 08:56

about:blank

RajshriSkillup / lab-agile-planning

Type / to search

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

lab-agile-planning Public

Pin Unwatch 1 Fork

main 1 Branch 0 Tags

Go to file Add file Code

RajshriSkillup Update issue templates 1a98fd7 · 1 minute ago 2 Commits

.github/ISSUE_TEMPLATE Update issue templates 1 minute ago

README.md Initial commit 10 months ago

README

lab-agile-planning

About

No description

Readme

Activity

0 stars

1 watch

0 forks

Releases

No releases published



Create a new release


Packages

No packages published


Publish your first package


2. Click on the New issue button.


 RajshriSkillup / lab-agile-planning

Type  to search

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


Filters  is:issue is:open


Labels 9 



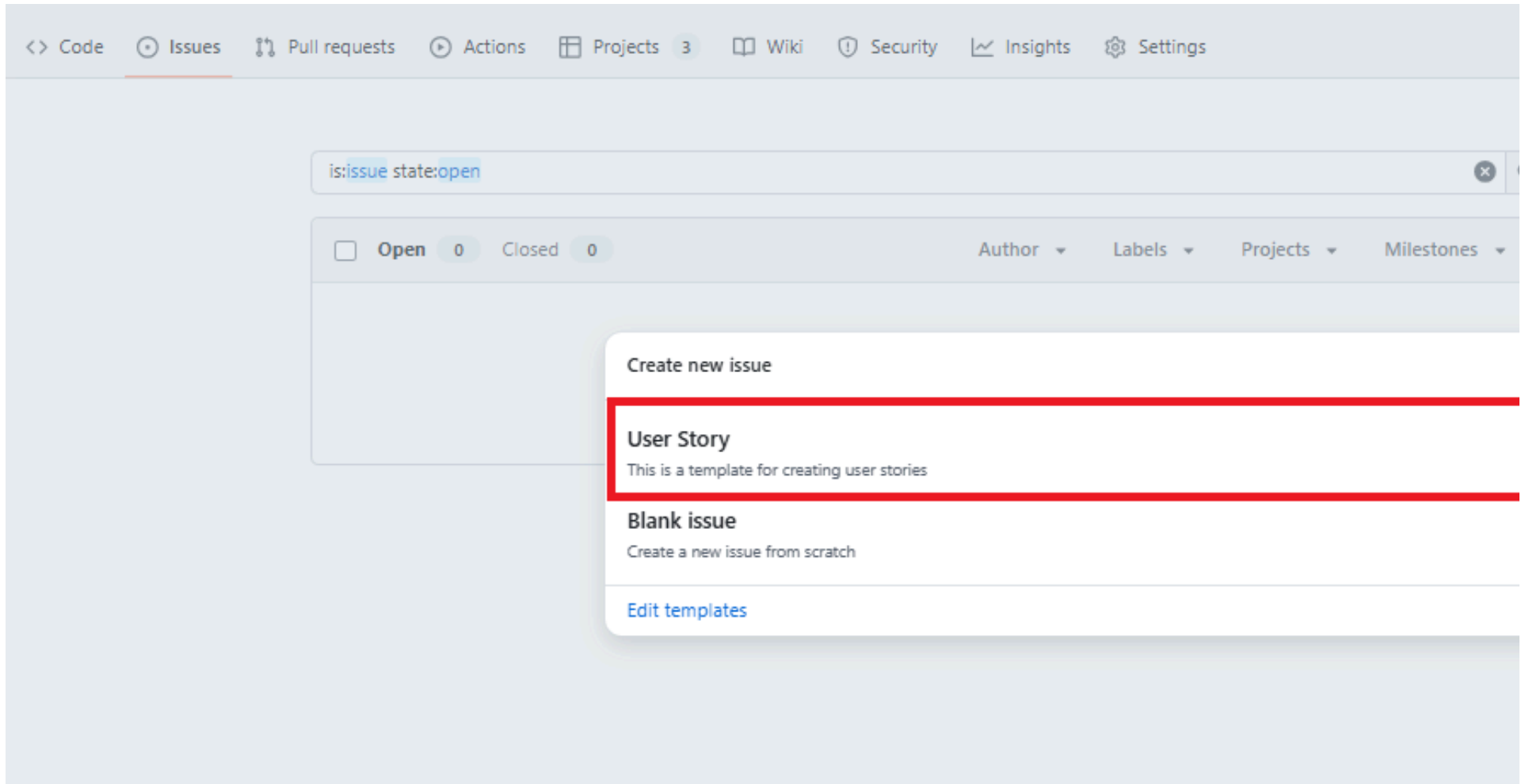
Welcome to issues!

Issues are used to track todos, bugs, feature requests, and more. As issues are created, they'll appear here in a searchable and filterable list. To get started, you should [create an issue](#).

 **ProTip!** Notify someone on an issue with a mention, like: @RajshriSkillup.

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3. You'll see your template listed here. Click on the User Story arrow.



4. 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.




User Story · Choose a different template

Add a title *

Need a service that has a counter



Add a 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  
  
### 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

Cancel


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

 Open RajshriSkillup 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

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Create a branch

Notifications

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](#).

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The screenshot shows a GitHub repository page for 'lab-agile-planning' by user 'RajshriSkillup'. The top navigation bar includes links for Code, Issues (1), Pull requests, Actions, Projects (1), Wiki, Security, Insights, and Settings. A search bar is located on the right. The main heading is 'Need a service that has a counter #1', marked as 'Open'. It notes that 'RajshriSkillup' opened this issue 17 hours ago with 0 comments. The issue body contains a user story: '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 a section for 'Details and Assumptions' with a bullet point: '[document what you know]'. The 'Acceptance Criteria' section lists three items: 'Given [some context]', 'When [certain action is taken]', and 'Then [the outcome of action is observed]'. A right-hand sidebar shows filters for Assignees (No one assigned), Labels (None yet), Projects (a dropdown menu is open showing 'Lab' and 'RajshriS'), and Notifications.

RajshriSkillup / lab-agile-planning

Search: Type / to search

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

Need a service that has a counter #1

Open RajshriSkillup 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

Labels
None yet

Projects
Filter proj
Recent
Lab
RajshriS


Notifications

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.

[Code](#) [Issues 1](#) [Pull requests](#) [Actions](#) [Projects 1](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

Need a service that has a counter #1

[Open](#) RajshriSkillup 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]





RajshriSkillup added this to Lab Agile Planning 2 minutes ago


Assignees

No one—assign

Labels

None yet

Projects

 Lab Agile

Status: No sta

New issues

Icebox

Product Backlog

Sprint Backlogs

In Progress

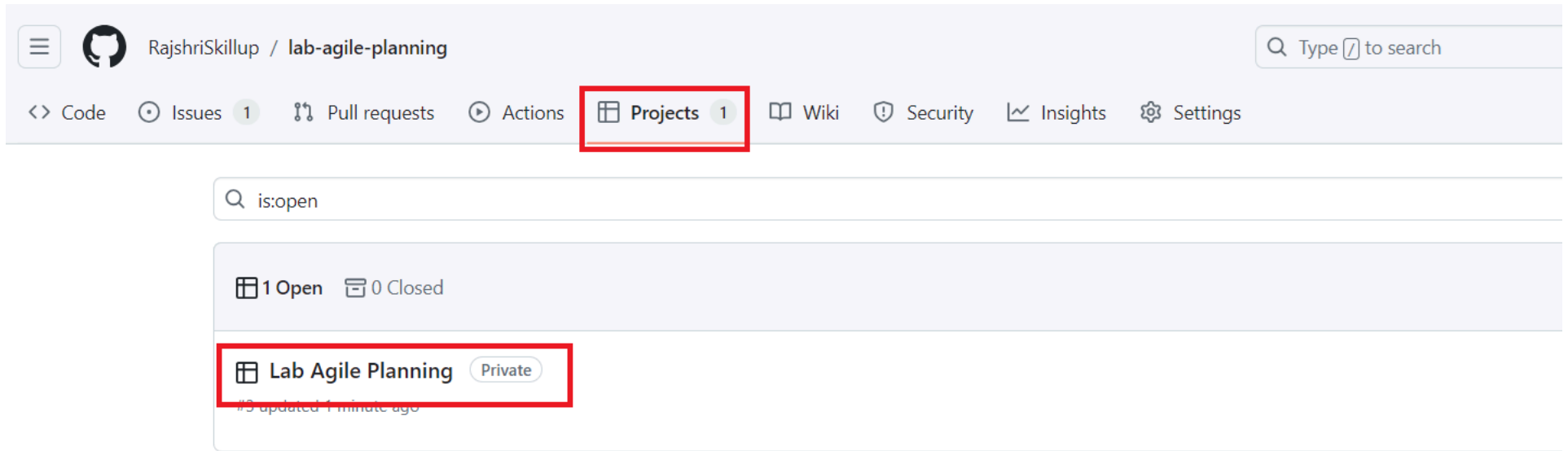
Done

Notifications

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.

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GitHub interface for repository **lab-agile-planning** by **RajshriSkillup**.

Navigation bar: Code, Issues (1), Pull requests, Actions, **Projects (1)**, Wiki, Security, Insights, Settings.




Search bar: is:open



Project status: 1 Open, 0 Closed


Project list:









- Lab Agile Planning** (Private) - Updated 1 minute ago


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



 RajshriSkillup / Projects / **Lab Agile Planning** 


 Type  to search


Lab Agile Planning 



 Backlog   Priority board  Team items  Roadmap  In review  My items  New view


 Filter by keyword or by field



 **New issues** 1 / 5 Estimate: 0 


 lab-agile-planning #1
Need a service that has a counter


 Add item


 **Icebox** 0 Estimate: 0 

 Add item

 **Product Backlog** 0 / 3 Estimate: 0 

 Add item

 **Sprint**

 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.

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RajshriSkillup / Projects / Lab Agile Planning

Lab Agile Planning

Backlog Priority board Team items Roadmap In review My items + New view

Filter by keyword or by field

New issues 1 / 5 Estimate: 0

lab-agile-planning
Need a service that

Items

- Archive all
- Delete all

Column

- 13 Set limit
- Edit details
- Hide from view
- Delete

+ Add item

Icebox 0 Estimate: 0

+ Add item

Product Backlog 0 / 3 Estimate: 0

+ Add item

Sprint Backlogs 0 / 5

+ Add item

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

The screenshot shows the 'Lab Agile Planning' interface. At the top, there's a header with a menu icon, the GitHub logo, and the text 'RajshriSkillup / Projects / Lab Agile Planning'. A search bar on the right says 'Type to search'. Below the header, the title 'Lab Agile Planning' is followed by a tab bar with options: 'Backlog', 'Priority board', 'Team items', 'Roadmap', 'In review', 'My items', and 'New view'. A filter bar below the tabs says 'Filter by keyword or by field'. The main area displays four columns: 'New issues' (1/5, Estimate: 0), 'Icebox' (0, Estimate: 0), 'Product Backlog' (0/3, Estimate: 0), and 'Sprint Backlogs' (0/5). The 'New issues' column contains one item: 'lab-agile-planning #1' with the description 'Need a service that has a counter'. A modal titled 'Edit column limit' is open over the 'Icebox' column. It has a close button (X) in the top right. The modal contains a label 'Column limit', a text input field with the value '7', and a description 'A limit on the number of items in a column'. At the bottom of the modal are two buttons: 'Cancel' and 'Save'. The 'Save' button is highlighted with a red box. The input field and the '7' inside it are also highlighted with a red box.

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.

Backlog · Lab Agile Planning

github.com/users/RajshriSkillup/projects/4/views/1

RajshriSkillup / Projects / Lab Agile Planning

Lab Agile Planning

Backlog Priority board Team items Roadmap In review My items New view

Filter by keyword or by field

New issues 1 / 7 Estimate: 0

- lab-agile-planning #1
Need a service that has a counter

+ Add item

Icebox 0 Estimate: 0

+ Add item

Product Backlog 0 / 3 Estimate: 0

+ Add item

Sprint Backlogs 0 / 5

+ Add item

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.

Lab Agile Planning



Backlog



Priority board



Team items



Roadmap



In review



Filter by keyword or by field



New issues

7 / 7

Estimate: 0



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



Icebox

0

Estimate: 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

+ Add item

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



Backlog



Priority board



Team items



Roadmap



In review



Filter by keyword or by field



New issues

3 / 7

Estimate: 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



Icebox

1

Estimate: 0



lab-agile-planning #2

Must allow multiple counters

+ 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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Skills Network