

# BDD Step Library

The **BDD Step Library** is a steps library for gherkin tests and preconditions. It contains all the **gherkin steps** used by all those tests/preconditions that are included in the scope of the library.

Thus, it provides an overview of all the automated (gherkin) steps used in the context of the projects included in the library, allowing users to easily **manage and refactor the steps**.

A library can be relative to a single project or be shared between multiple projects so that they have access to the same gherkin steps. See [project library settings](#) and [global libraries settings](#) for more information about configuring and sharing BDD libraries.

The library is **automatically populated** when gherkin tests and preconditions are created or updated:

- Gherkin steps being used in the changed tests/preconditions that do not exist in the library are automatically created.
- Steps in the library that are no longer being used by any gherkin tests/preconditions are automatically deleted (with the exception of [static steps](#)).

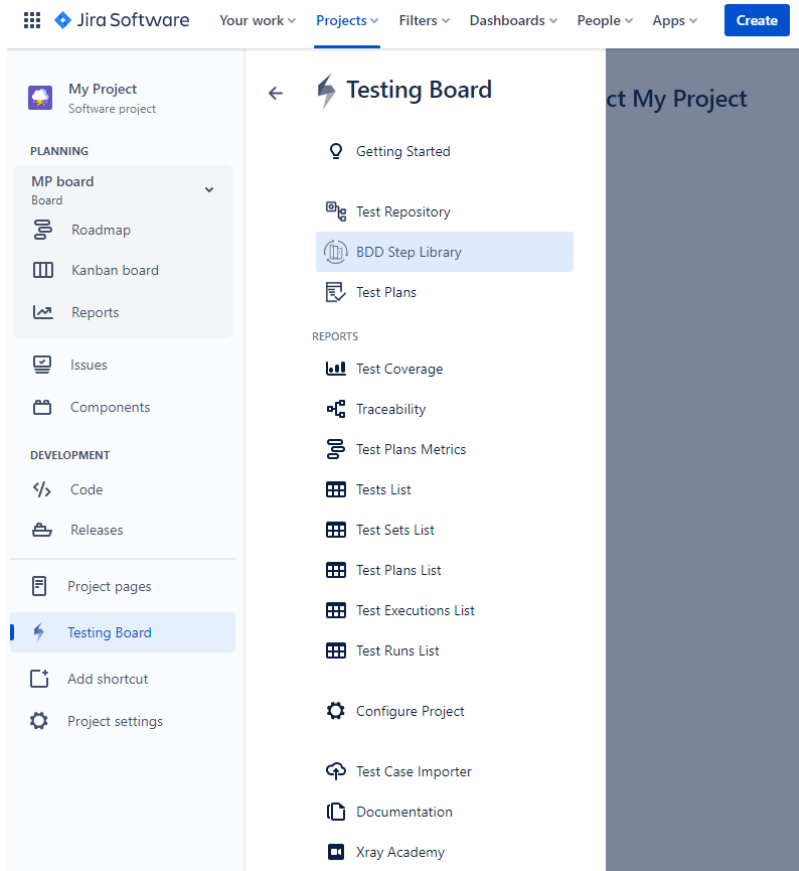
The steps in the library will then appear as **suggestions in the gherkin editor** when editing the scenario definition of gherkin tests or preconditions.

**Note:** Gherkin reserved keywords (e.g. *Given*, *When*, *Then*, *And*) are not stored in the library.

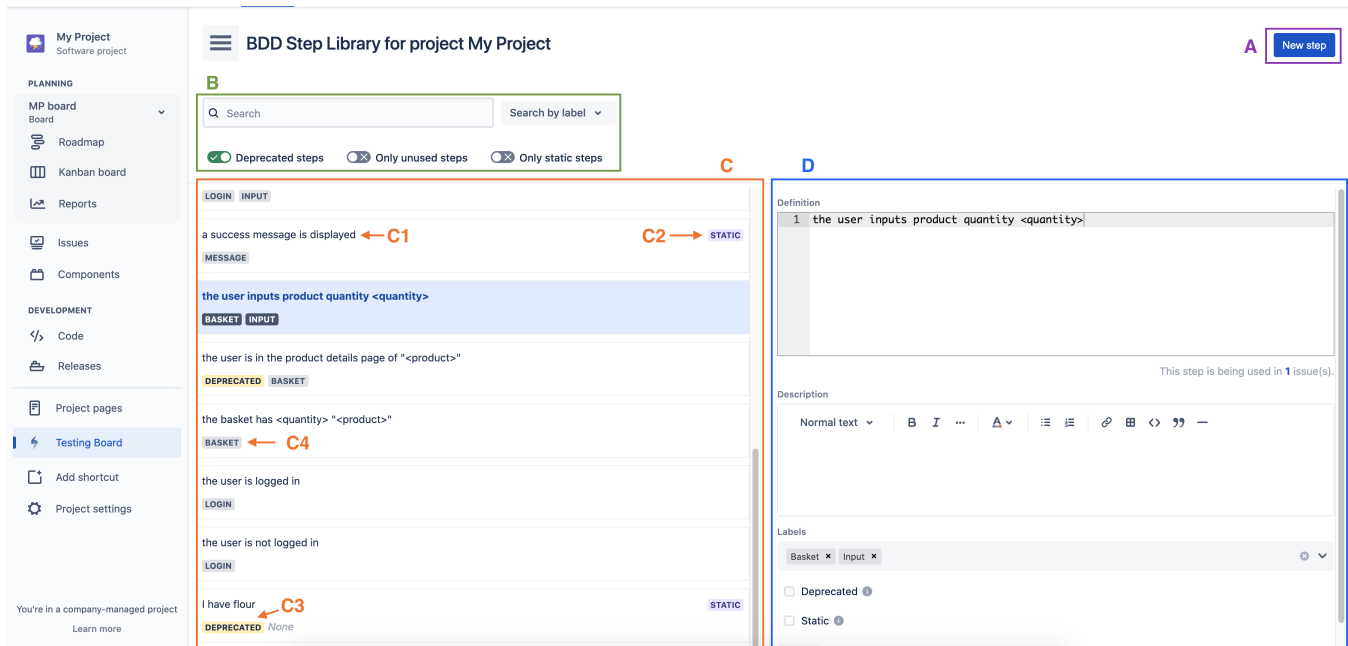
- [Overview of the BDD Step Library screen](#)
- [Edit steps](#)
  - [Gherkin step definition](#)
  - [Step description](#)
  - [Step labels](#)
  - [Deprecated step](#)
  - [Static step](#)
- [Create steps](#)
- [Delete steps](#)
- [Filter steps](#)
- [Find issues using a step](#)

## Overview of the BDD Step Library screen

The [BDD Step Library screen](#) can be accessed from the project sidebar by choosing the Testing Board and then the BDD Step Library.



The image below depicts the several key areas of the BDD Step Library screen:



- **A:** New step button
- **B:** Step filters
- **C:** Steps list
  - **C1:** Step definition
  - **C2:** Static step indicator
  - **C3:** Deprecated step indicator
  - **C4:** Step labels
- **D:** Step details of the selected step

# Edit steps



## Edit steps permission

Steps can only be edited directly in the library if the user is included in the permission groups defined for the library (see [project library settings](#) and [global libraries settings](#) for information about library permission groups configuration). If the user does not have permission to edit the steps, the step details section will be displayed in read only mode.

To edit a step, **click in the step** in the steps list and the step details section will be displayed in **edit mode**. Once you are done editing the step, press the "**Save**" button to save it and if necessary apply the changes to the [issues using the step](#).

BDD Step Library for project My Project

New step

Q Search

Search by label

Deprecated steps

Only unused steps

Only static steps

the user is in the basket page

NAVIGATION

the user clicks in the place order button

None

the user inputs the delivery address

None

the user inputs the payment method

None

the user is in the placed order page

None

the user goes to the login page

LOGIN NAVIGATION

the user adds the current product to the basket

BASKET BUTTON

the user clicks in the login button

LOGIN BUTTON

Definition

1 the user is in the basket page

This step is being used in 1 issue(s).

Description

Normal text B I ... A ... Link Image Code Quote Unlink

Checks if the user is in the basket page. If not, redirects the user to the basket page.

Labels

Navigation

Deprecated

Static

Save

Cancel

## Gherkin step definition

Changing the step definition directly in the library results in a **refactor of all the gherkin tests and preconditions** using it. The gherkin definition of all those issues will be automatically updated to reflect the updated step definition.

Each step in the library must have a **unique definition** so an error will be displayed if you try to change the step definition to an already existing definition.

To search steps by gherkin definition you can use the [text search filter](#).

**Note:** The step definition should not include the gherkin step keyword (e.g. *Given*, *When*, *Then*, *And*). The step keyword to be used should be defined at the test/precondition level.

## Step description

Any description to provide some extra information or context regarding the step.

## Step labels

Steps can be labeled to be easily found when [filtering steps](#). Since a step may be related with different things simultaneously, you can add multiple labels to the step.

## Deprecated step

Steps marked as deprecated are **not displayed as suggestions in the gherkin editor** when editing gherkin tests or preconditions.

Deprecated steps can also be hidden from the steps list in the library by disabling the "[Deprecated steps](#)" filter.

## Static step

By default steps are automatically deleted from the library when they are no longer being used by any gherkin test or precondition. However you can mark a step as static if you want to **keep it in the library even if it is no longer being used**. Static steps will never be automatically deleted but they can still be [manually deleted](#).

Static steps can be easily found by using the ["Only static steps" filter](#).

## Create steps



### Create steps permission

Steps can only be manually created directly in the library if the user is included in the permission groups defined for the library (see [project library settings](#) and [global libraries settings](#) for information about library permission groups configuration).

Steps can be manually created by clicking the **"New step" button** at the top-right corner of the page.

A placeholder step for the step being created will appear selected at the top of the steps list and the step details section will display the empty fields ready to be filled.

BDD Step Library for project My Project

New step

Q Search

Search by label

☒ Deprecated steps

☒ Only unused steps

☒ Only static steps

New step

None

the user is in the basket page

NAVIGATION

the user clicks in the place order button

None

the user inputs the delivery address

None

the user inputs the payment method

None

the user is in the placed order page

None

the user goes to the login page

LOGIN NAVIGATION

the user adds the current product to the basket

Definition

1

Description

Normal text B I ... A ...

Labels

Select...

☐ Deprecated

☒ Static

Save Cancel

Steps created directly in the library are always **static by default**. This can not be changed while creating the step (the static step checkbox will display in readonly mode), but can later be edited after creating the step.

After saving the step, the placeholder step in the steps list will be replaced by the created step.

Each step in the library must have a **unique definition** so an error message will be displayed if you try to manually create a step with an already existing definition.

## Delete steps



### Delete steps permission

Steps can only be manually deleted directly in the library if the user is included in the permission groups defined for the library (see [project library settings](#) and [global libraries settings](#) for information about library permission groups configuration).

**Static steps not being used** by any issue can be manually deleted directly in the library by **clicking the step** in the steps list and clicking the **"Delete" button** in the step details.

BDD Step Library for project My Project

New step

Search by label ▾

☒ Deprecated steps
 ☒ Only unused steps
 ☐ Only static steps

the user cancels the order

None

STATIC

the user is in the basket page

NAVIGATION

the user clicks in the place order button

None

the user inputs the delivery address

None

the user inputs the payment method

None

the user is in the placed order page

None

the user goes to the login page

LOGIN NAVIGATION

the user adds the current product to the basket

BASKET BUTTON

Definition

1 the user cancels the order

This step is being used in 0 issue(s)

Description

Normal text ▾

B I ...

A ▾

⋮

⌂

⌕

⌕

⌕

⌕

⌕

Labels

Select... ▾

☐ Deprecated ⓘ
 ☒ Static ⓘ

Save

Cancel

Delete

The "Delete" button is **only available for static steps** since those are the only steps that can be manually deleted. Non-static steps are automatically deleted when they are no longer being used by any issue.

If the step is **static but is being used** by some issue(s) the **"Delete" button will appear disabled** since only unused steps are allowed to be deleted.

BDD Step Library for project My Project

New step

Search by label ▾

☒ Deprecated steps
 ☒ Only unused steps
 ☒ Only static steps

the user clicks in the login button

LOGIN BUTTON

the user inputs the password "<password>"

LOGIN INPUT

the user inputs the email "<email>"

LOGIN INPUT

a success message is displayed

MESSAGE

STATIC

the user inputs product quantity <quantity>

BASKET INPUT

the basket has <quantity> "<product>"

BASKET

the user is logged in

LOGIN

the user is not logged in

LOGIN

Definition

1 a success message is displayed

This step is being used in 2 issue(s)

Description

Normal text ▾

B I ...

A ▾

⋮

⌂

⌕

⌕

⌕

⌕

Labels

Message X ▾

☐ Deprecated ⓘ
 ☒ Static ⓘ

Save

Cancel

Delete

## Filter steps

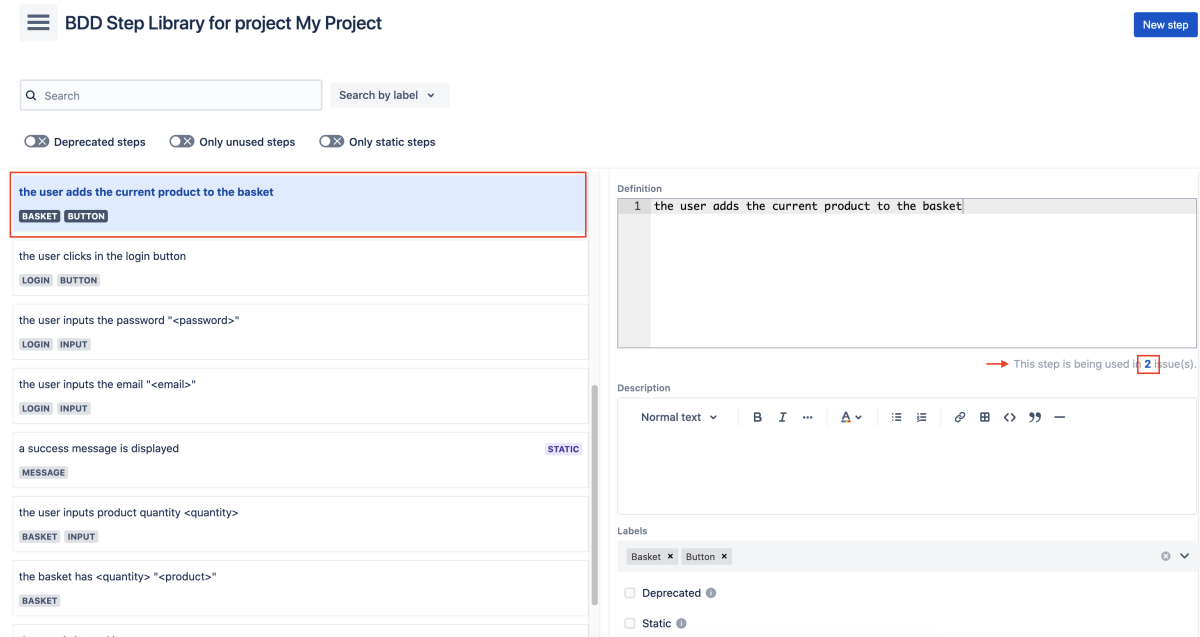
Steps can be easily searched by using the [filters section at the top of the screen](#). The steps list will only display the steps included in the defined filters.

- **Text search:** Write text to find steps that include it in their gherkin definition.
- **Labels:** Select labels to find steps that have at least one of those labels.
- **Deprecated steps:** Enable to include deprecated steps in the steps displayed in the steps list.
- **Only unused steps:** Enable to only display steps not being used by any issue in the steps list.
- **Only static steps:** Enable to only display static steps in the steps list.

The applied filters are saved when they are changed so that when you come back to the BDD step library page you find those filters applied.

# Find issues using a step

To find the gherkin tests and preconditions using a given step, **click the step** in the steps list and check the following section in the step details:



BDD Step Library for project My Project

Search Search by label

Deprecated steps Only unused steps Only static steps

the user adds the current product to the basket

BASKET BUTTON

the user clicks in the login button

LOGIN BUTTON

the user inputs the password "<password>"

LOGIN INPUT

the user inputs the email "<email>"

LOGIN INPUT

a success message is displayed

MESSAGE STATIC

the user inputs product quantity <quantity>

BASKET INPUT

the basket has <quantity> "<product>"

BASKET

Definition

1 the user adds the current product to the basket

This step is being used in 2 issue(s).

Description

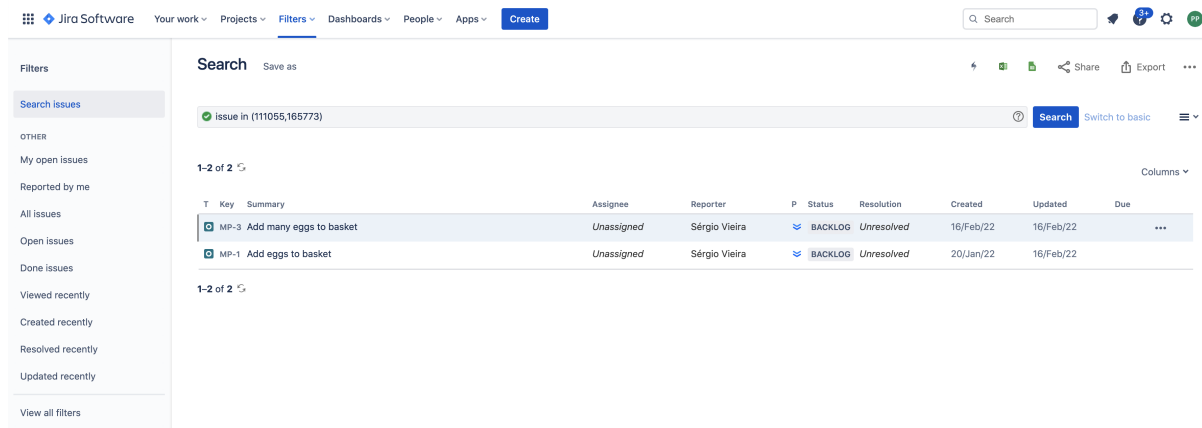
Normal text B I ... A ...

Labels

Basket Button

Deprecated Static

You can see **how many issues** are using the step and by **clicking the number** a new tab will open where you can see in the **issues search** the issues that are using the step.



Jira Software Your work Projects Filters Dashboards People Apps Create

Search Search

Issue in (111055,165773)

Search Switch to basic

1-2 of 2

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
MP-3	MP-3	Add many eggs to basket	Unassigned	Sérgio Vieira	BACKLOG	Unresolved		16/Feb/22	16/Feb/22	
MP-1	MP-1	Add eggs to basket	Unassigned	Sérgio Vieira	BACKLOG	Unresolved		20/Jan/22	16/Feb/22	

1-2 of 2