

[Skip to main content](#)

[Stack Overflow](#)

1. [About](#)

2. [Products](#)

3. [For Teams](#)

1. [Stack Internal](#) Implement a knowledge platform layer to power your enterprise and AI tools.

2. [Stack Data Licensing](#) Get access to top-class technical expertise with trusted & attributed content.

3. [Stack Ads](#) Connect your brand to the world's most trusted technologist communities.

4. [Releases](#) Keep up-to-date on features we add to Stack Overflow and Stack Internal.

5. [About the company](#) [Visit the blog](#)

Loading...

[current community](#)

[Stack Overflow](#)

[help](#) [chat](#)

- [Meta Stack Overflow](#)

your communities

[Sign up](#) or [log in](#) to customize your list.

[more stack exchange communities](#)

[company blog](#)

3. [Log in](#)

4. [Sign up](#)

[AI Assist is now on Stack Overflow](#). Start a chat to get instant answers from across the network. Sign up to save and share your chats.

[Home](#)

[Questions](#)

[AI Assist](#)

[Tags](#)

[Challenges](#)

7. [Chat](#)

[Articles](#)

[Users](#)

[Companies](#)

[Collectives](#)

Communities for your favorite technologies. [Explore all Collectives](#)

Stack Internal

Stack Overflow for Teams is now called **Stack Internal**. Bring the best of human thought and AI automation together at your work.

[Try for free](#) [Learn more](#)

[Stack Internal](#)

Bring the best of human thought and AI automation together at your work. [Learn more](#)

Collectives™ on Stack Overflow

Find centralized, trusted content and collaborate around the technologies you use most.

[Learn more about Collectives](#)

Stack Internal

Knowledge at work

Bring the best of human thought and AI automation together at your work.

[Explore Stack Internal](#)

[As I can make the vector is mutable inside struct](#)

[Ask Question](#)

Asked 9 years, 8 months ago

Modified [3 years, 3 months ago](#)

Viewed 15k times

8

As I can make the vector is mutable

```
pub struct Test<'a>{
    vec: &'a mut Vec<i32>,
}
impl<'a> Test<'a> {
    pub fn created()->Test<'a>{
        Test {vec: &'a mut Vec::new() }
    }
    pub fn add(&self, value: i32){
        self.vec.push(value);
    }
}
```

```
expected `:` , found `mut`
Test {vec: &'a mut Vec::new() }
      ^~~
```

This is a [similar question](#) but

and the answer works, but what if I do not want, you can do this, "applying the response link"

```
pub struct Test{
    vec: Vec<i32>,
}
impl Test {
    pub fn created()->Test {
        Test {vec: Vec::new() }
    }
    pub fn add(&mut self, value: i32){
        self.vec.push(value);
    }
}
...//
let mut test: my::Test = my::Test::created();
test.add(1i32);

let mut test1: my::Test = my::Test::created();

test1 = test; <-- I do not want, you can do this
...//
```

as I can make the vector is mutable, without making it be all the struct

- [rust](#)

[Share](#)

[Improve this question](#)

Follow

[edited May 23, 2017 at 12:02](#)

[CommunityBot](#)

111 silver badge

asked Apr 4, 2016 at 21:37

[Angel Angel](#)

22.2k3030 gold badges8787 silver badges108108 bronze badges

1

Likely duplicate of stackoverflow.com/q/32682876/155423.

Shepmaster – [Shepmaster](#)

2016-04-04 21:49:50 +00:00

Commented Apr 4, 2016 at 21:49

[Add a comment](#) | .

1 Answer

Sorted by: [Reset to default](#)

Highest score (default) Trending (recent votes count more) Date modified (newest first) Date created (oldest first)

11

Maybe you are looking for [interior mutability](#). Please, do not use interior mutability loosely, read [this](#) first.

```
use std::cell::RefCell;

pub struct Test{
    vec: RefCell<Vec<i32>>,
}

impl Test {
    pub fn created()->Test {
        Test {vec: RefCell::new(Vec::new()) }
    }
    pub fn add(&self, value: i32){
        self.vec.borrow_mut().push(value);
    }
}

fn main() {
    let test = Test::created();
    test.add(1i32);

    let test1 = Test::created();
    // test1 = test; // does not work anymore
}
```

[Share](#)

[Improve this answer](#)

Follow

[edited Aug 25, 2022 at 0:03](#)

answered Apr 19, 2016 at 13:58

[malbarbo](#)

11.2k22 gold badges4646 silver badges6161 bronze badges

Sign up to request clarification or add additional context in comments.

2 Comments

Add a comment

Angel Angel

[Angel Angel Over a year ago](#)

thanks for your time, and the recommendation of the link for this case

2016-04-19T14:28:52.7Z+00:00

0

Reply

- Copy link

Carl Walsh

[Carl Walsh Over a year ago](#)

The book link is pretty old and it links to a section of the new book that doesn't discuss "interior mutability"; I think you'll want

doc.rust-lang.org/book/ch15-05-interior-mutability.html

2022-08-24T16:10:12.693Z+00:00

0

Reply

- Copy link

Your Answer

Thanks for contributing an answer to Stack Overflow!

- Please be sure to *answer the question*. Provide details and share your research!

But *avoid* ...

- Asking for help, clarification, or responding to other answers.
- Making statements based on opinion; back them up with references or personal experience.

To learn more, see our [tips on writing great answers](#).

Sign up or [log in](#)

Sign up using Google

Sign up using Email and Password

Submit

Post as a guest

Name

Email

Required, but never shown

Post as a guest

Name

Email

Required, but never shown

Post Your Answer Discard

By clicking "Post Your Answer", you agree to our [terms of service](#) and acknowledge you have read our [privacy policy](#).

Start asking to get answers

Find the answer to your question by asking.

[Ask question](#)

Explore related questions

- [rust](#)

See similar questions with these tags.

- The Overflow Blog
[Introducing Stack Overflow AI Assist—a tool for the modern developer](#)
[Treating your agents like microservices](#)
- Featured on Meta
[Chat room owners can now establish room guidelines](#)
[AI Assist is now available on Stack Overflow](#)
[Policy: Generative AI \(e.g., ChatGPT\) is banned](#)

Linked

[146](#)

[Is there any way to return a reference to a variable created in a function?](#)

[4](#)

[How to use mutable member Vec?](#)

[1](#)

[trouble setting the lifetime on a new empty vector](#)

Related

[124](#)

[What is the idiomatic Rust way to copy/clone a vector in a parameterized function?](#)

[0](#)

[How can I change variable of elements in vectors inside another struct?](#)

[0](#)

[why the rust closure fn\(\) can satisfies the trait IntoSystemDescriptor<Params> of bevy](#)

[2](#)

[Add an element to a mutable vector list in Rust](#)

[0](#)

[Can you lookup an element of a vector and change it?](#)

[3](#)

[Struct with a mutable reference to another instance of the same type](#)

[4](#)

[Lifetime in recursive struct with mutable reference](#)

[0](#)

[create ListNode from Vec with ref to first Node](#)

[422](#)

[Why does the Rust compiler not optimize code assuming that two mutable references cannot alias?](#)

Hot Network Questions

- [Generating Irregular, Separated Polygonal Cells along a Curve in Geometry Nodes](#)
- [Trying to understand UK tax brackets for salary above 150k](#)
- ["Creatures your opponents control" after the ability is activated](#)
- [Would it be plausible to have a flat eye with a moving pupil?](#)
- [Correct website for Thailand ETA application form](#)
- [How to use Bézier curves in `TikZ` to draw a quotation mark?](#)
- [is it possible to keep the space when using url in latex](#)
- [Is my homebrew Species "Attuned" balanced for D&D 2024?](#)
- ["Save as webpage, HTML Only" Fail while offline, Firefox](#)
- [Why does black allow white to have a protected passed central pawn here?](#)
- [I can't add a loop cut on one face](#)
- [Is Codepage 1252 guaranteed to be available on all Windows systems?](#)
- [What may cause any version of Microsoft Outlook to run slowly?](#)
- [TikZ word search diagram v2](#)
- [How to prevent a batch file call from escaping a caret character?](#)
- [Proportional odds logistic regression for ordered category outcome - how to convert odds ratios to probabilities in this case?](#)
- [Critiques of the real vs. nominal definition distinction](#)
- [Explain this seeming contradiction in Euclid Book 1 Proposition 16](#)
- [Unity HDRP custom pass stencil buffer not working in build mode](#)
- [Preservation of universal sentences under substructures in higher-order logic](#)
- [I2C bus problems when using two distance sensors in Arduino](#)
- ["Us" in Hegel's "Greater Logic"](#)
- [Recent time traveling TV show. The lead might have been Asian\(?\), set in San Francisco\(?\)](#)
- [Swords and sandals movie where the ancient Greek hero fights in space](#)

[more hot questions](#)

[Question feed](#)

Subscribe to RSS

Question feed

To subscribe to this RSS feed, copy and paste this URL into your RSS reader.

[Stack Overflow](#)

- [Questions](#)
- [Help](#)
- [Chat](#)

[Business](#)

- [Stack Internal](#)
- [Stack Data Licensing](#)
- [Stack Ads](#)

[Company](#)

- [About](#)
- [Press](#)
- [Work Here](#)
- [Legal](#)
- [Privacy Policy](#)
- [Terms of Service](#)
- [Contact Us](#)
- [Cookie Settings](#)
- [Cookie Policy](#)

[Stack Exchange Network](#)

- [Technology](#)
- [Culture & recreation](#)
- [Life & arts](#)
- [Science](#)
- [Professional](#)
- [Business](#)
- [API](#)
- [Data](#)
- [Blog](#)
- [Facebook](#)
- [Twitter](#)
- [LinkedIn](#)
- [Instagram](#)

Site design / logo © 2025 Stack Exchange Inc; user contributions licensed under [CC BY-SA](#) . rev 2025.12.4.37651