

# 525 days working full-time on FOSS: LESSONS LEARNED

PyCon DE 🇩🇪 & PyData Berlin 2024

by Rodrigo Girão Serrão

~~525~~ days working full-time on FOSS:

# LESSONS LEARNED

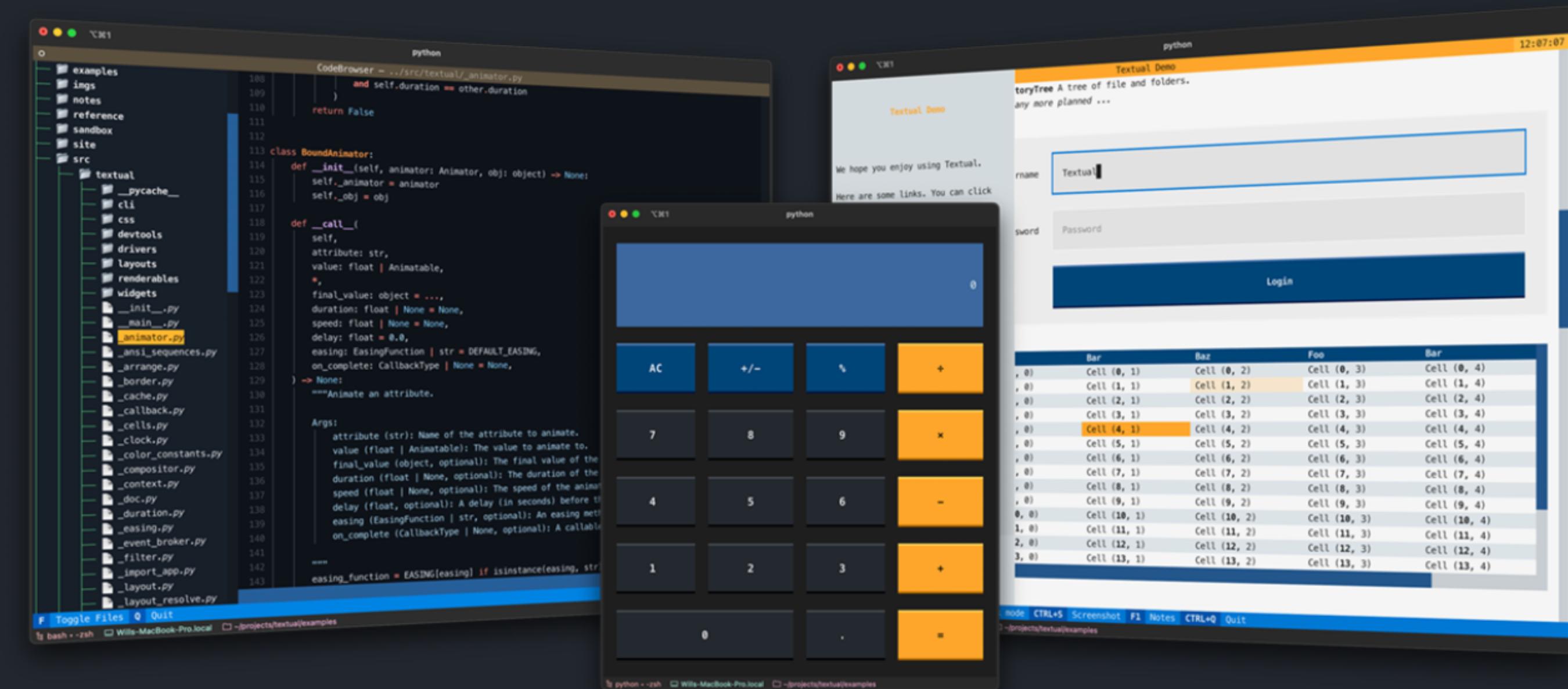
PyCon DE  & PyData Berlin 2024

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# 503 days working full-time on FOSS: LESSONS LEARNED

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by Rodrigo Girão Serrão



chat 311 online

# 🔗 Textual

Textual is a *Rapid Application Development* framework for Python.

# DISCLAIMER: Subjective



17 days ago | prev | next [-]

To me, these lessons feel very similar to the lessons learned working at a midsized company.

# 503 days working full-time on FOSS:

LESSONS I LEARNED BUT THAT AREN'T NECESSARILY UNIQUE TO FOSS AND THAT YOU MIGHT HAVE LEARNED, OR MIGHT STILL LEARN, IN SOME OTHER CONTEXT

PyCon DE  & PyData Berlin 2024

by Rodrigo Girão Serrão

# LESSONS LEARNED

# 1. Getting a tech job;

1. Getting a tech job;
2. Managing your ego;

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2. Managing your ego;
3. Interacting with users;

1. Getting a tech job;
2. Managing your ego;
3. Interacting with users; and
4. Working on a big codebase.

# Getting a tech job

Everything you do online acts as a banner

# Managing your ego

# Ask ALL the questions

# Embrace (code review) feedback



**willmcgugan** requested changes on Nov 25, 2022

[View reviewed changes](#)

**willmcgugan** left a comment

Member

...

Looks good! Just one request.





**willmcgugan** requested chang

**willmcgugan** left a comment

Looks good! Just one request.



**willmcgugan** requested changes on Jan 11, 2023

**willmcgugan** left a comment

A few requests



 willmcgugan requested changes on Sep 4, 2021

src/textual/\_ animator.py Outdated

```
... ... @@ -27,14 +28,128 @@ def blend(self: T, destination: T, source: T) ...  
27 28 ...  
28 29 ...  
29 30 ...  
31 + def _in_out_expo(x):
```

 willmcgugan on Sep 4, 2021  
Could you type these? Seems redundant, but at some point I will switch to them.  
required.

 willmcgugan requested changes on Sep 4, 2021

**willmcgugan left a comment**

Looks good! Just one request.

 willmcgugan requested changes on Jan 23, 2023

 willmcgugan left a comment

I think you've identified what the issue is, but I don't think the proposed fix is in the right place.  
The change introduces additional logic and state in to deciding if the scrollbars should be shown. I think we can keep the current logic (which is simpler) by calling `_refresh_scrollbars` when the style is changed, i.e. in the property.  
Suggest we refresh the scrollbar state when the style changes. This is a simple fix, but it's not a good fit for a custom descriptor based on String.

 willmcgugan requested changes on Jan 25, 2023

 willmcgugan left a comment

Nice work! Just one request to rename a method.

 willmcgugan requested changes on Jan 11, 2023

 willmcgugan left a comment

A few requests

 src/textual/dom.py

 src/textual/dom.py Outdated

 CHANGELOG.md Outdated

 View reviewed changes

 View reviewed changes

 Show resolved

 Show resolved

 Show resolved

 View reviewed changes

 Member ...

 View reviewed changes

 Show resolved

 Show resolved

 Show resolved

 View reviewed changes

 Member ...

 View reviewed changes

 Show resolved

 Show resolved

 Show resolved

<img alt="User icon" data-bbox="6

 willmcgugan requested changes on Sep 4, 2021

[View reviewed changes](#)

src/textual/\_animator.py Outdated

```
... ... @@ -27,14 +28,128 @@ def blend(self: T, destination: ...  
27 28 ...  
28 29  
29 30  
31 + def _in_out_expo(x):
```

 willmcgugan requested changes on Jan 11, 2023

[View reviewed changes](#)

willmcgugan left a comment

A few requests

 willmcgugan on Sep 4, 2021

 davep approved these changes on Jan 31, 2023

[View reviewed changes](#)

willmcgugan left a comment

Looks good! Just one request.

willmcgugan left a comment

A few requests

CHANGELOG.md Outdated

 willmcgugan requested changes on Jan 23, 2023

[View reviewed changes](#)

I think you've identified what the issue is, but I don't think the proposed fix is in the right place.

The change introduces additional logic and state in to deciding if the scrollbars should be shown. I think we can keep the current logic (which is simpler) by calling `_refresh_scrollbars` when the style is changed, i.e. in the property.

Suggest we refresh the scrollbar style when the style changes. This is a custom descriptor based on String

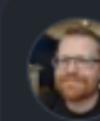
 willmcgugan requested changes on Jan 25, 2023

[View reviewed changes](#)

willmcgugan left a comment

Nice work! Just one request to rename a method.

 mathspp.com/talks



 **willmcgugan** requested changes on Sep 4, 2021

src/textual/\_animator.py Outdated

```
...     ... @@ -27,14 +28,128 @@ def blend(self: T, destination:  
27     28         ...  
28     29  
29     30  
31 + def _in_out_expo(x):
```

 **willmcgugan** on Sep 4, 2021

[View reviewed changes](#)



 **willmcgugan** requested changes on Jan 11, 2023

[View reviewed changes](#)

**willmcgugan** left a comment

Member 

A few requests



**davep** approved these changes on Jan 31, 2023

[View reviewed changes](#)



**willmcgugan** requested changes on Jan 31, 2023

[View reviewed changes](#)

**willmcgugan** left a comment

Member 

Examples are great. The text could use a little revision.



docs/guide/app.md Outdated

 Show resolved

docs/guide/app.md Outdated

 Show resolved

The screenshot shows a GitHub pull request interface with a dark theme. On the left, there's a sidebar with user profiles and commit history. The main area displays a timeline of events:

- willmcgugan requested changes on Mar 23, 2023**: Looks good. But I think it would be best to always explicitly return `self`, rather than return the result.
- willmcgugan left a comment**: Looks good. But I think it would be best to always explicitly return `self`, rather than return the result.
- willmcgugan requested changes on Apr 13, 2023**: This feels like it might be masking the error, rather than fixing it. I don't think you guarantee on a slower machine or with faster key repeat.  
Have you established why this occurs?
- willmcgugan requested changes on Apr 18, 2023**: Good first pass. A few requests. Might be worth going over this tomorrow.
- willmcgugan requested changes on Apr 25, 2023**: Functionality is about right I think. Looks good. But needs another pass at the implementation.
- rodrigogiraoserrao added 2 changes**: Reworded.
- willmcgugan requested changes on May 4, 2023**: Let's either lose the example entirely, or have a have an example simply show resolved.
- willmcgugan requested changes on Feb 8, 2023**: The entire code to make sure there aren't any `emit`'s hiding in docs or examples?

Annotations and code snippets are visible in the bottom right, showing specific commits and their changes.

# Everyone makes mistakes



**rodrigogiraoserrao** commented on Feb 27, 2023

Can we create a "shameful" label and add it to this issue, please?



1



**rodrigogiraoserrao** closed this as completed on Feb 27, 2023

# Interacting with users

# CREATE A CONTRIBUTING GUIDE

# CREATE A CONTRIBUTING GUIDE\*

\*But no one will read it...

# Give clear instructions to bug reporters

# Give

A screenshot of a GitHub repository page for "Textualize/textual". The page shows 127 issues, 24 pull requests, and 1 discussion. The "Issues" tab is selected. A large central box provides two options: "Bug report" (Create a report to help us improve) and "Task" (An outstanding feature that needs to be implemented), each with a "Get started" button. Below these options, there is a link to "Open a blank issue." and a link to "View organization templates". At the bottom, there are links to "Terms", "Privacy", "Security", "Status", "Docs", "Contact", "Manage cookies", and "Do not share my personal information". The GitHub logo and copyright information for 2024 are also present.

github.com/Textualize/textual/issues/new/choose

New Issue · Textualize/textual

Textualize / textual

Code Issues 127 Pull requests 24 Discussions Actions Projects 1

Bug report  
Create a report to help us improve

Task  
An outstanding feature that needs to be implemented

Get started

Get started

Don't see your issue here? [Open a blank issue.](#)

[View organization templates](#)

Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information

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# Porters

# Give clear instructions to bug reporters

# Give clear instructions to bug reporters

\*Refer to contributing guide.

Be so kind it's annoying

# Give first reply quickly

# Give first reply quickly

\*Refer to contributing guide.

# How to handle external pull requests



# How to handle external pull requests



\*Refer to contributing guide.

# How to handle external pull requests



- \*Refer to contributing guide.
- \*Refer to contributing guide.

# How to handle external pull requests: closing PRs



# Story time (?)

# Working on a big codebase

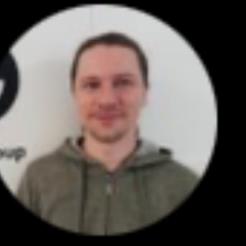
# 4 points to always keep in mind

# 4 points to always keep in mind

## What's best for the dev?

# 4 points to always keep in mind

## What's the spirit of the issue?



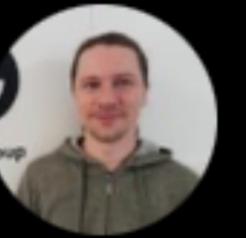
**Alexey Grigorev** @Al\_Grigor · Feb 3, 2021

...

Most candidates cannot solve this interview problem:

- ◆ Input: "aaaabbbcca"
- ◆ Output: [("a", 4), ("b", 3), ("c", 2), ("a", 1)]

Write a function that converts the input to the output



**Alexey Grigorev** @Al\_Grigor · Feb 3, 2021

...

Most candidates cannot solve this interview problem:

- ◆ Input: "aaaabbbcca"
- ◆ Output: [("a", 4), ("b", 3), ("c", 2), ("a", 1)]

Write a function that converts the input to the output

485

222

1K



Followed by some accounts you follow



**Robert Smallshire**

@robsmallshire

...

```
def func(x):  
    return [("a", 4), ("b", 3), ("c", 2), ("a", 1)]
```

4 points to always keep in mind

I take the hit so the dev doesn't.

# 4 points to always keep in mind

## Am I preventing something reasonable?

# Take notes

# Personal pull request checklist

**read issue**

**read issue**

write code  
↓

**did I fix the WHOLE issue?**

**read issue**

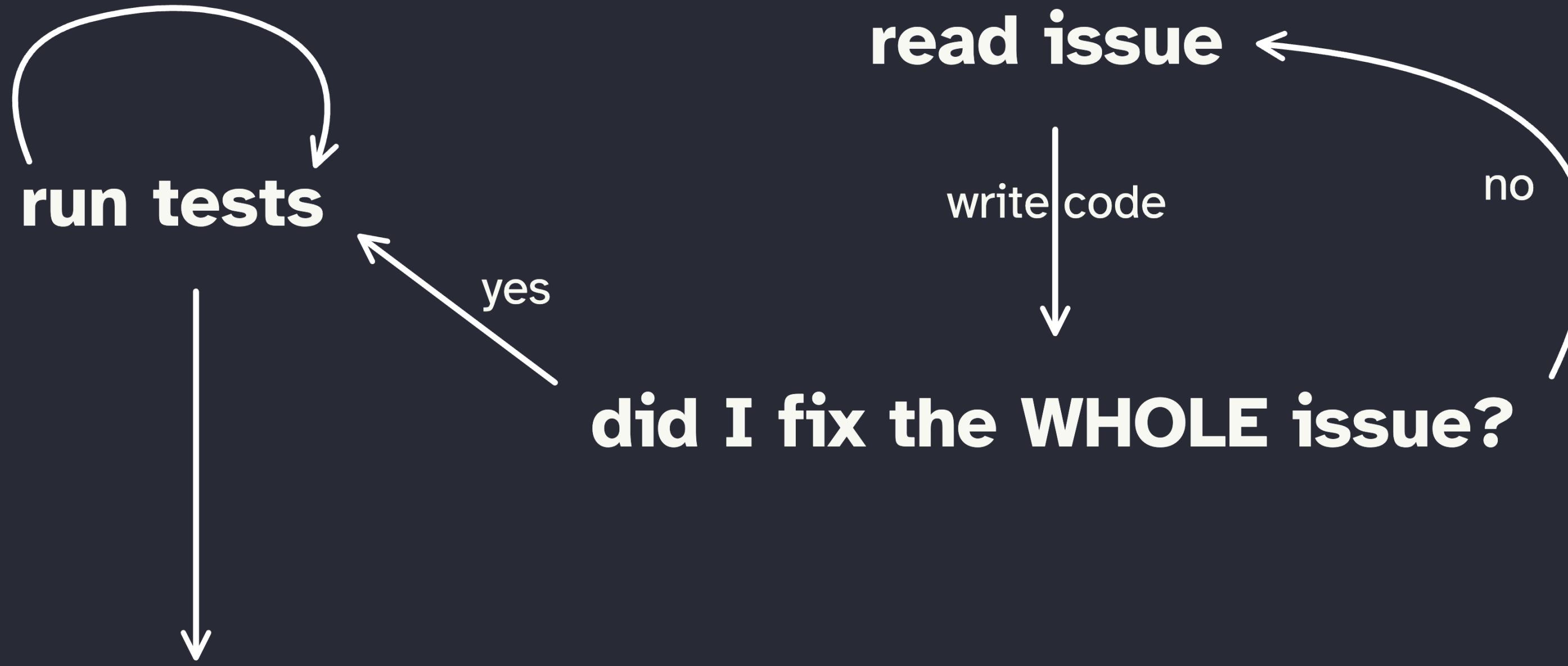
write  
code

no

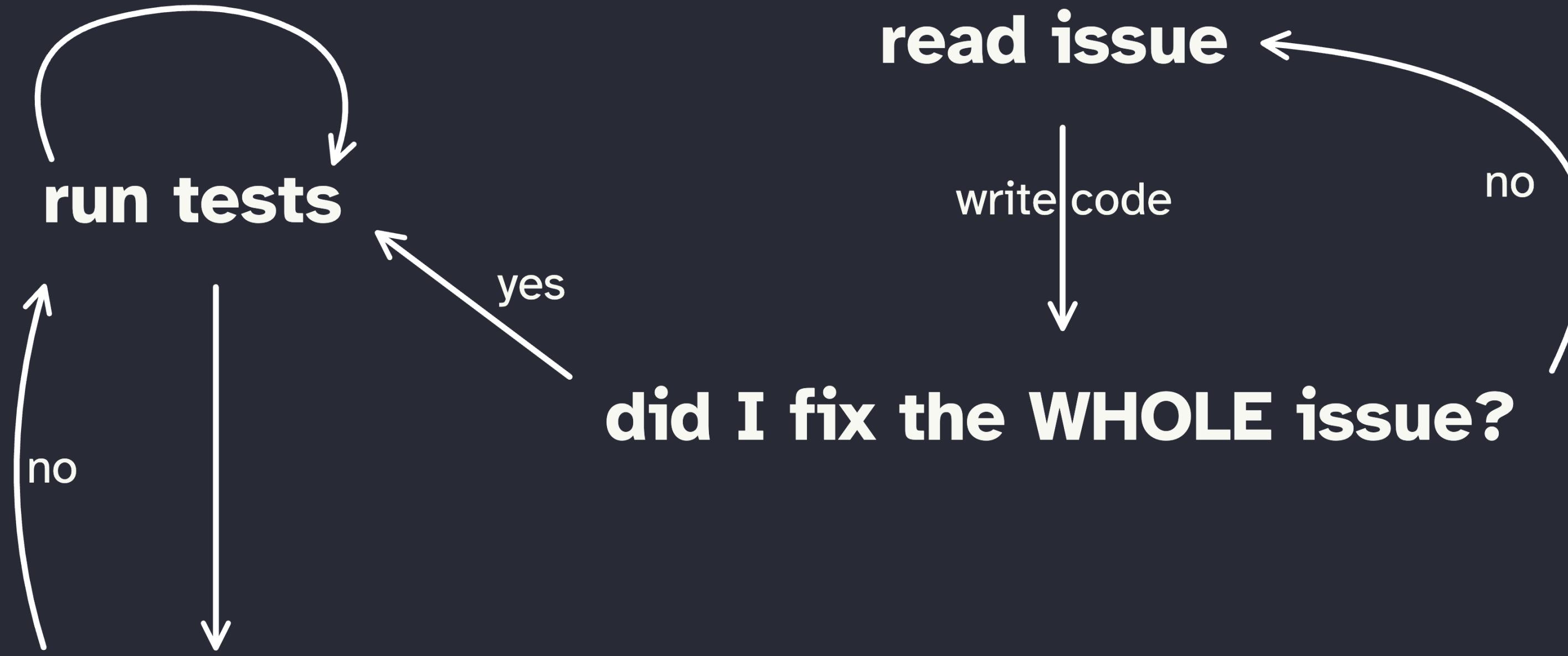
**did I fix the WHOLE issue?**



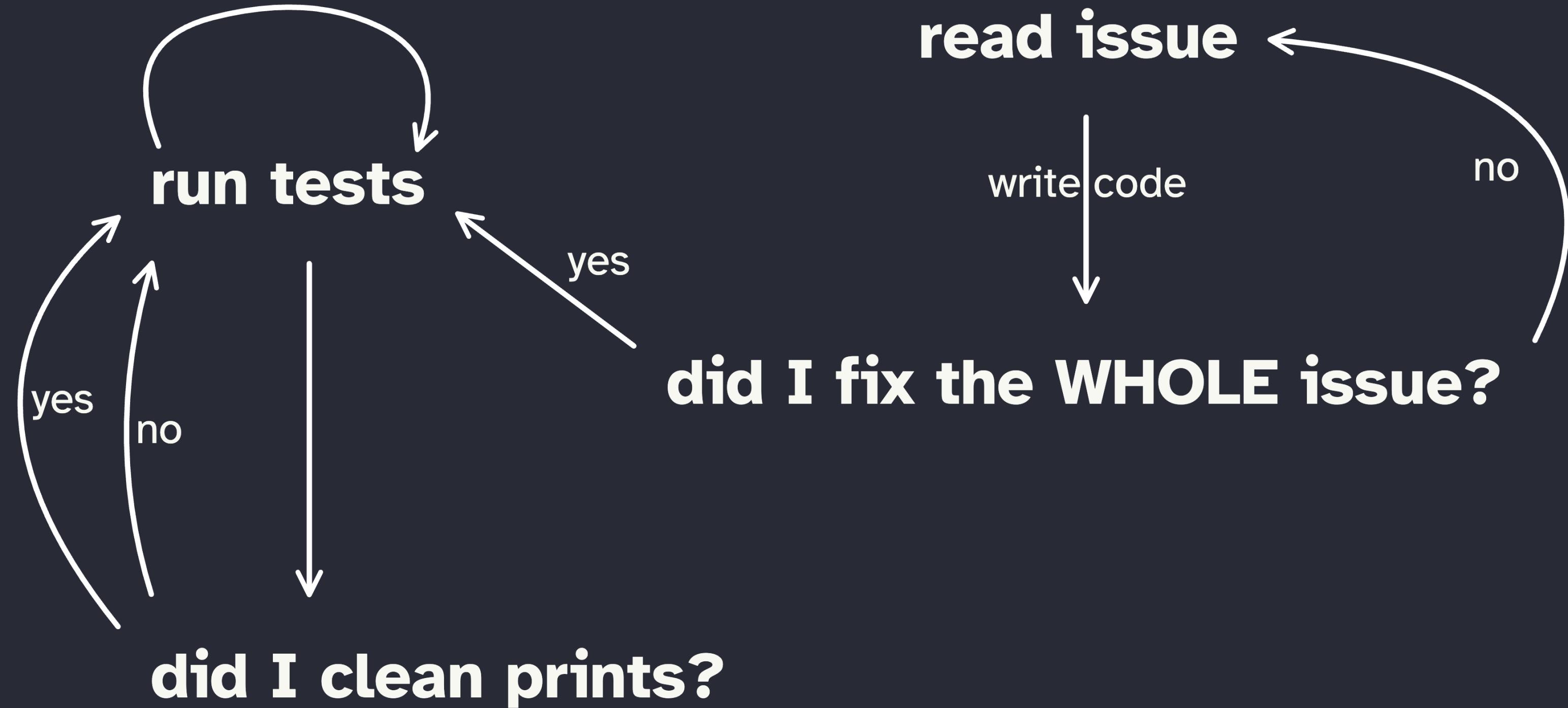


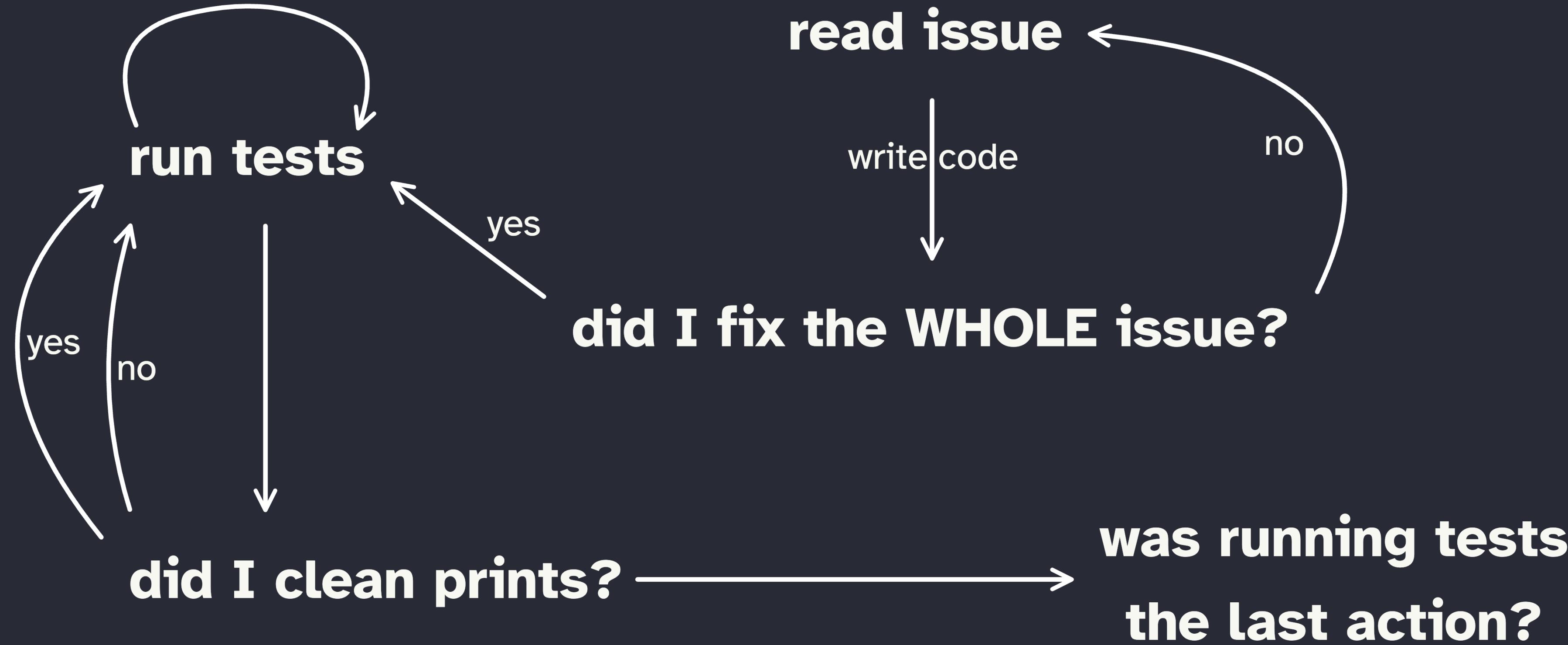


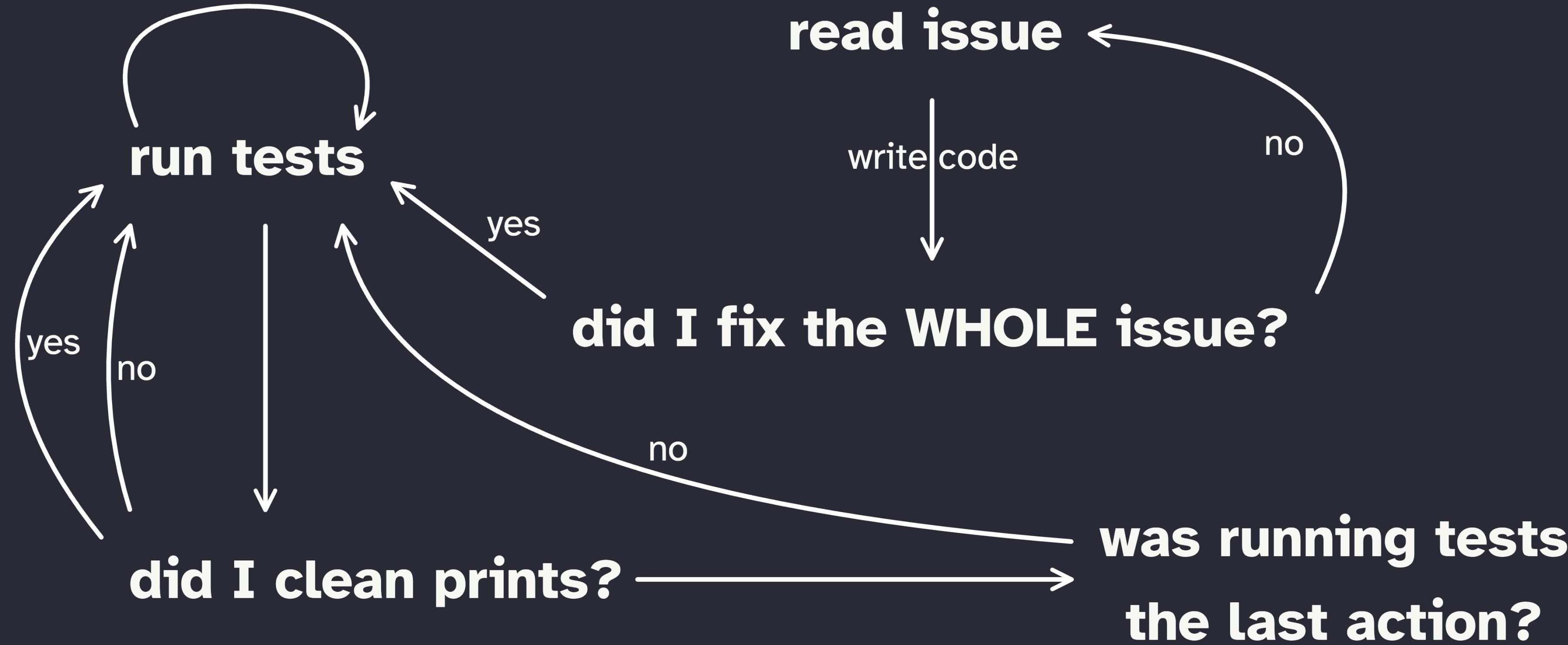
**did I clean prints?**

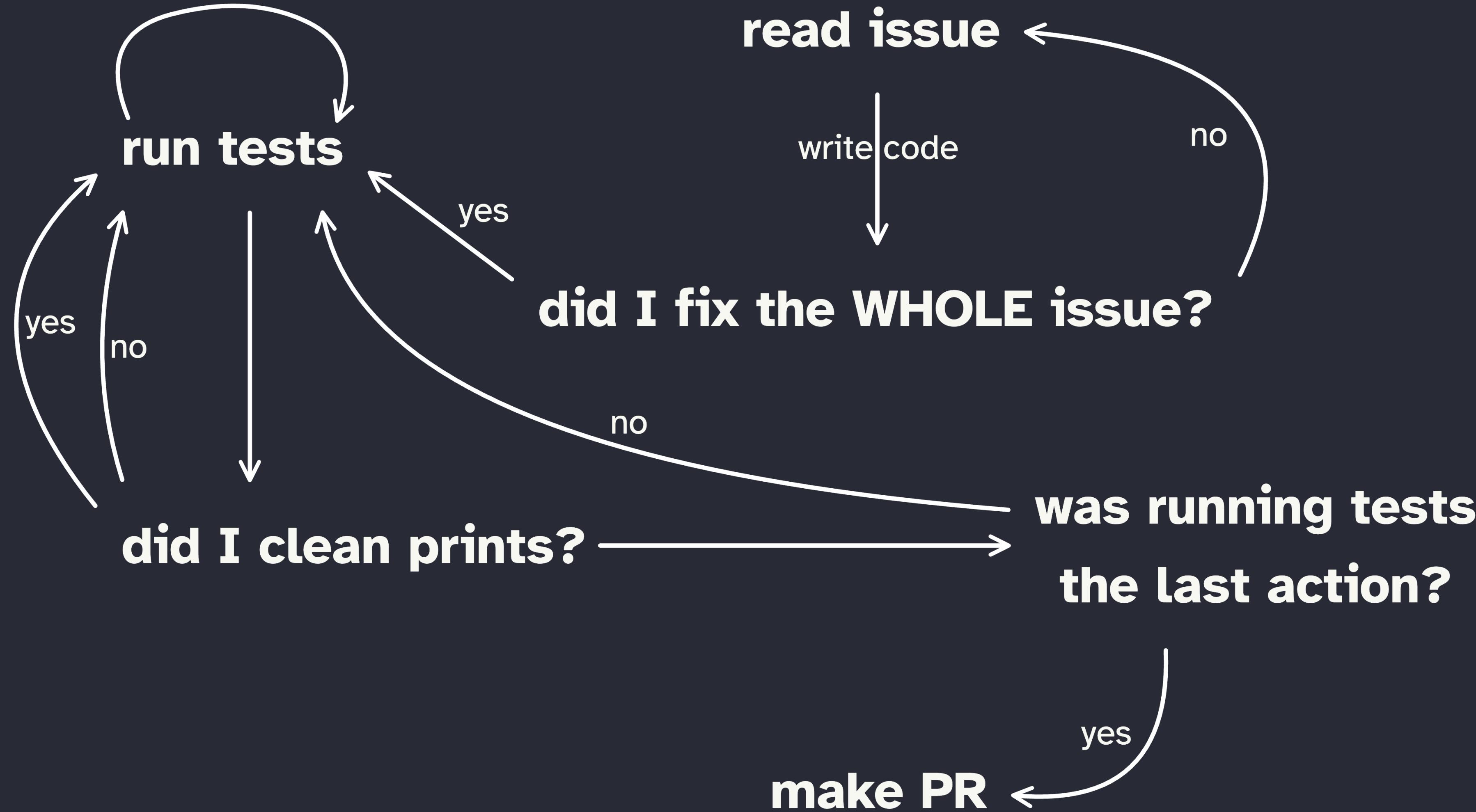


**did I clean prints?**













Rodrigo 🐍🚀  
X @mathsppblog

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[mathspp.com/training](https://mathspp.com/training)

