

Working with Pull Requests

Andreas Möller

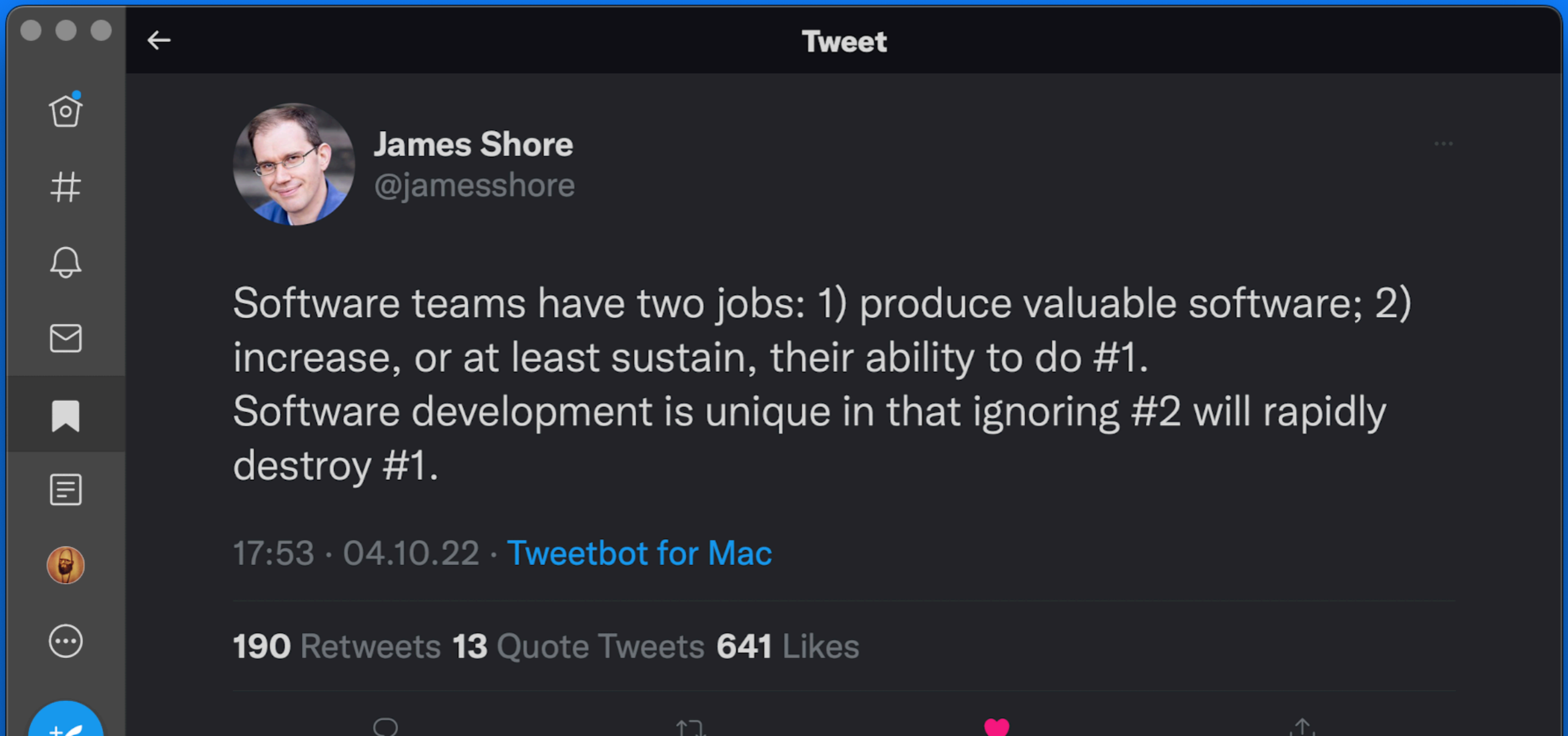
Andreas Möller

@localheinz

Agenda

1. Introduction
2. Standards
3. Version Control
4. Pull Requests
5. Deviations
6. Practices
7. Summary
8. Conclusion
9. Q & A

twitter.com/jamesshore/status/1577326115626287104



The image shows a screenshot of a tweet on a dark-themed interface. On the left is a vertical sidebar with navigation icons: Home, Hashtags, Notifications, Messages, Bookmarks, Lists, Profile, and a search icon. The main content area is titled "Tweet" and features a profile picture of James Shore, his name "James Shore", and his handle "@jamesshore". The tweet text reads: "Software teams have two jobs: 1) produce valuable software; 2) increase, or at least sustain, their ability to do #1. Software development is unique in that ignoring #2 will rapidly destroy #1." Below the text is the timestamp "17:53 · 04.10.22" and the text "Tweetbot for Mac". At the bottom, the engagement statistics are displayed: "190 Retweets 13 Quote Tweets 641 Likes".

James Shore
@jamesshore

Software teams have two jobs: 1) produce valuable software; 2) increase, or at least sustain, their ability to do #1. Software development is unique in that ignoring #2 will rapidly destroy #1.

17:53 · 04.10.22 · [Tweetbot for Mac](#)

190 Retweets **13** Quote Tweets **641** Likes

Standards

Standard

Team

Standard Alignment

**Standard
Multiple
Environments**

Standard Version Control

Standard Automation

Standard Continuous Integration

**Standard
Continuous
Deployment**

**Standard
Continuous
Feedback**

Standard Continuous Improvement

Standard

Continuous

Everything

Version Control

Version Control

History

Version Control

SCSS (1972)

Version Control

SVN (2000)

Version Control

Git (2005)

Version Control

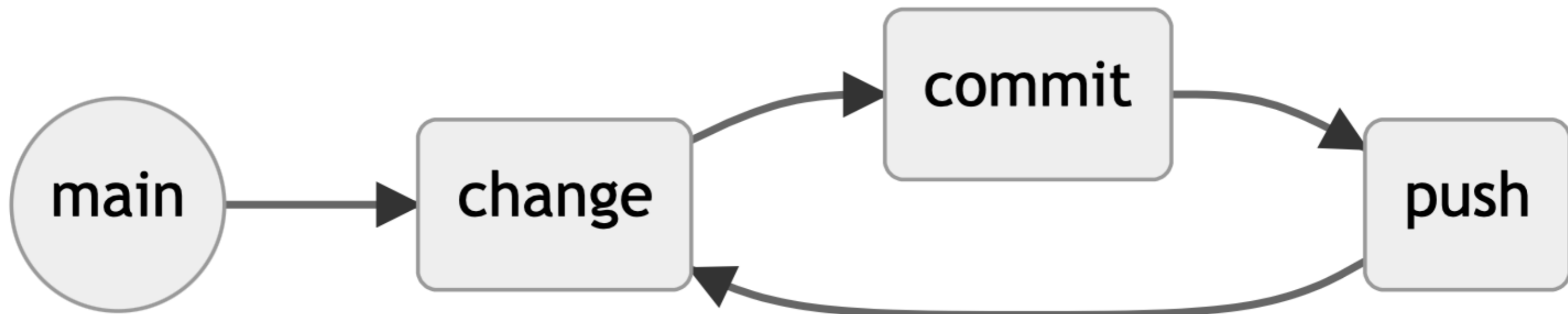
GitHub (2007)

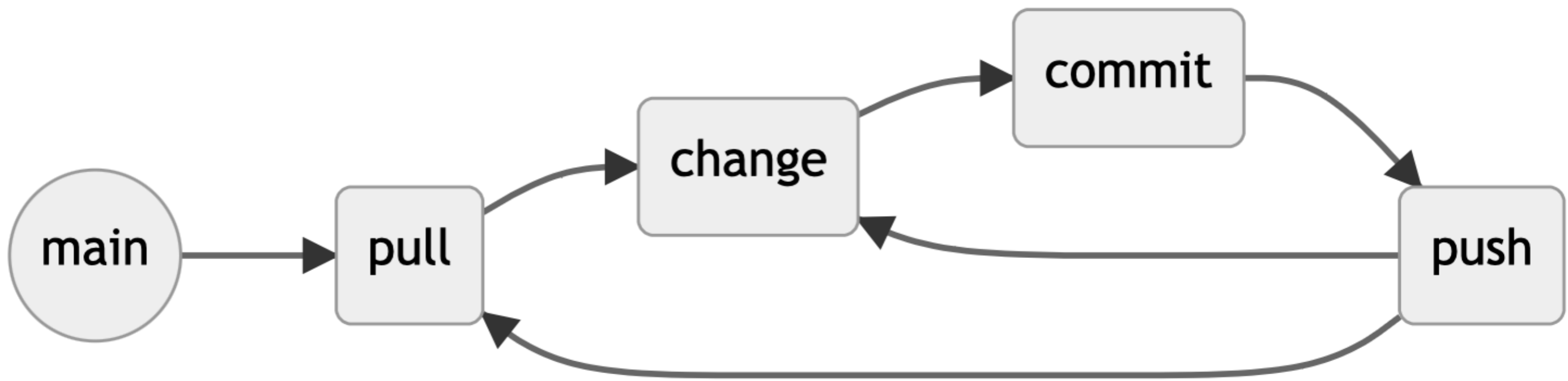
Version Control

Options

Version Control

Single Branch





Version Control

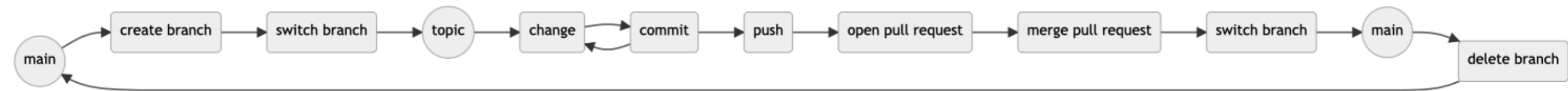
Multiple Branches

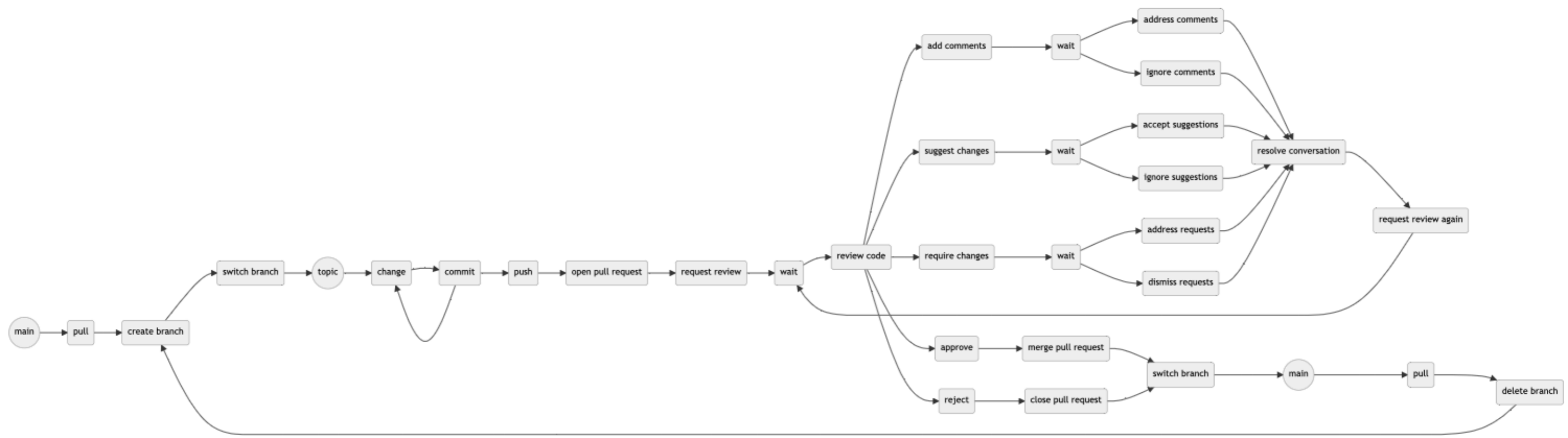




Version Control

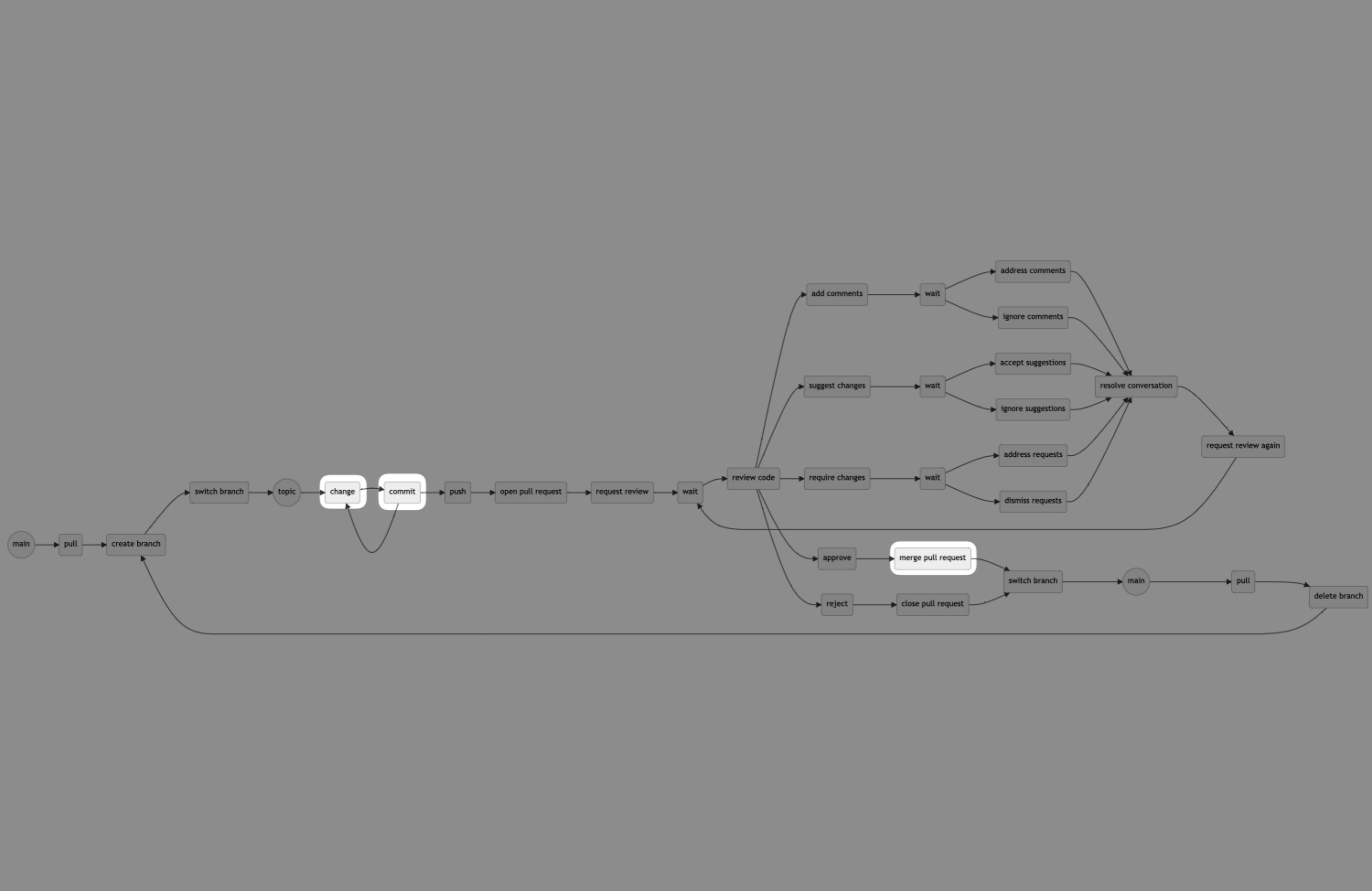
Pull Requests

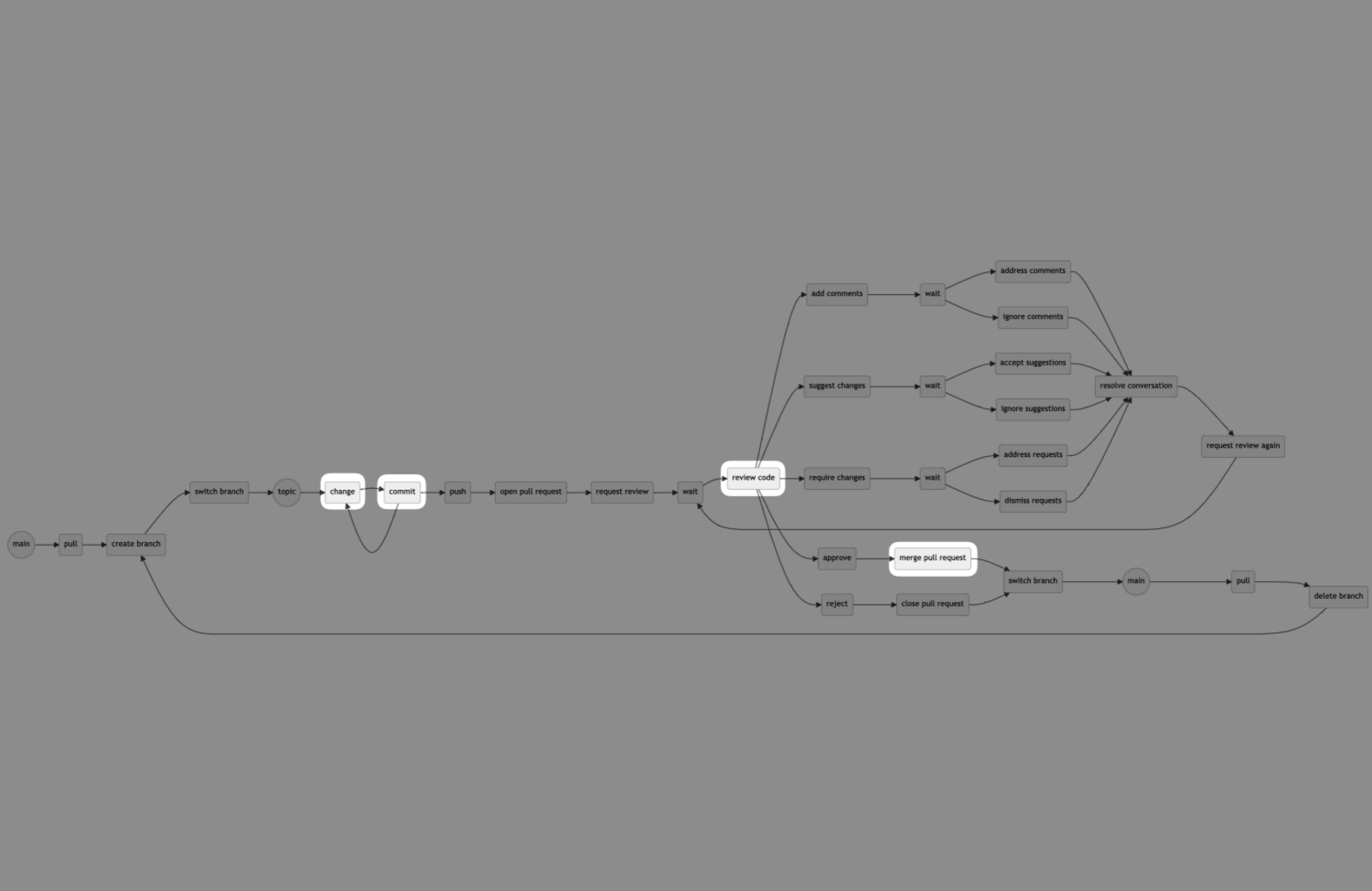




Pull Request Disadvantages

Disadvantage
Overprocessing





Disadvantage

Code Review

Quality

twitter.com/iamdeveloper/status/397664295875805184

Tweet

 **I Am Devloper**
@iamdeveloper

10 lines of code = 10 issues.
500 lines of code = "looks fine."
Code reviews.

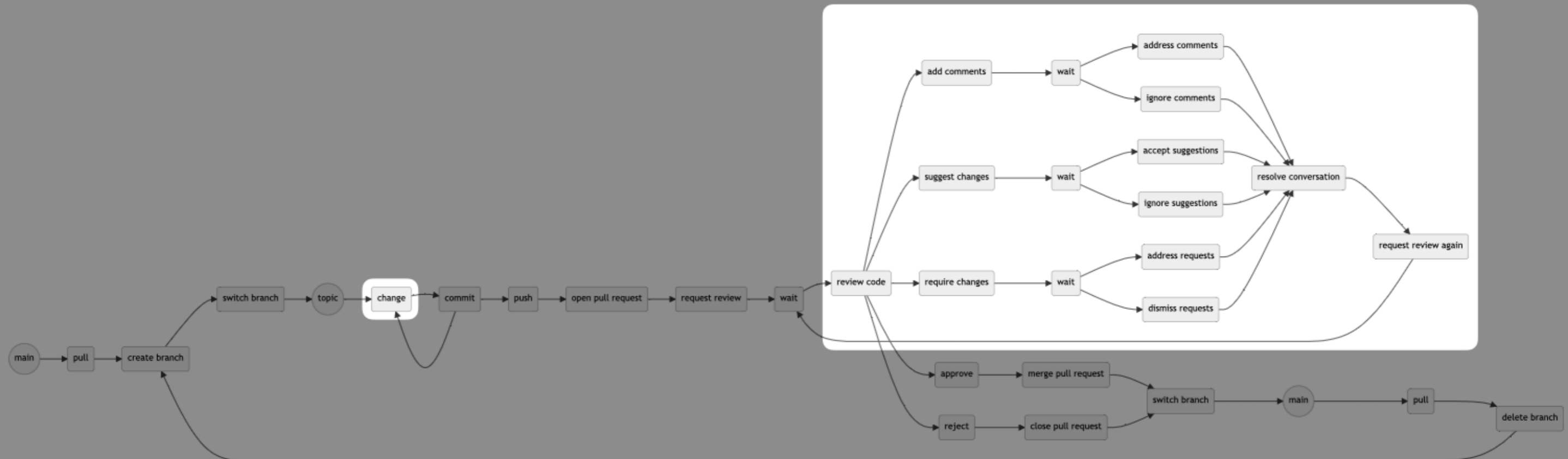
10:58 · 05.11.13 · [Tweetbot for iOS](#)

8.248 Retweets **174** Quote Tweets **6.792** Likes

Disadvantage

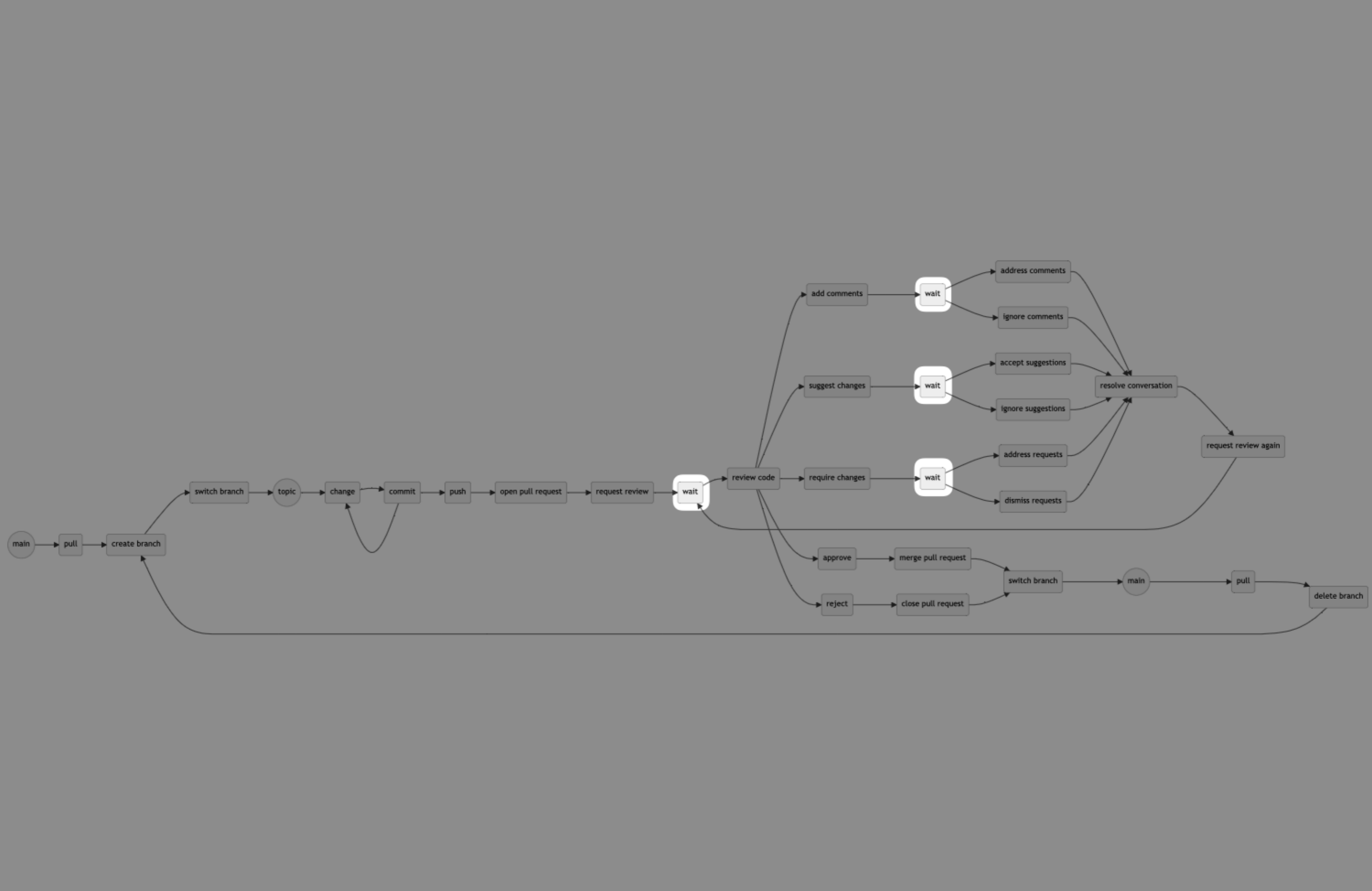
Code Review

Timing



Disadvantage

Waiting



Disadvantage Context Switches

Disadvantage
Inventory Buildup

Disadvantage
Wasteful & Slow

Pull Request Advantages

**Advantage
Open Source
Contributions**

Advantage App & Bot Contributions

Advantage Notifications

Advantage
Code Review
Features

**Advantage
Transparent
Communication**

Advantage

Linkable

References

Advantage
Pre-merge
Modifications

Advantage

Timing

Deployments

twitter.com/freekmurze/status/1576852366229487616

The image is a screenshot of a tweet on a dark-themed interface. At the top, the word "Tweet" is centered. On the left, there is a vertical sidebar with navigation icons: a home icon, a hashtag icon, a bell icon, an envelope icon, a bookmark icon, a list icon, a profile icon, and a plus icon. The tweet itself is from "Freek Van der Herten" (@freekmurze), whose profile picture shows a man with a beard and headphones. The tweet content is a white box containing a GitHub commit message: "[Draft] Redesign 2022 #623". Below the title, it says "Merged freekmurze merged 1,195 commits into main from redesign-2022 now". At the bottom of the commit message box, there are statistics: "Conversation 15", "Commits 1,195", "Checks 1", and "Files changed 1,982". To the right of these statistics is a bar chart showing a net change of "+93,489 -32,414" with a green bar on the left and a red bar on the right. Below the tweet box, the text "10:31 · 03.10.22 · Tweetbot for Mac" is visible. At the bottom left of the tweet area, it says "53 Likes".

Deviations

Deviation Individuals

Deviation
Misalignment

Deviation
Single Environment

Deviation
Version Control
Misuse

Deviation

Lack of Automation

Deviation
Continuous
Disintegration

**Deviation
Manual
Deployments**

Deviation
Continuous
Ignorance

Deviation
Continuous
Stagnation

Deviation

Continuous Nothing

danluu.com/wat/

Normalization of deviance

Have you ever mentioned something that seems totally normal to you only to be greeted by surprise? Happens to me all the time when I describe something everyone at work thinks is normal. For some reason, my conversation partner's face morphs from pleasant smile to rictus of horror. Here are a few representative examples.

There's the company that is perhaps the nicest place I've ever worked, combining the best parts of Valve and Netflix. The people are amazing and you're given near total freedom to do whatever you want. But as a side effect of the culture, they lose perhaps half of new hires in the first year, some voluntarily and some involuntarily. Totally normal, right? Here are a few more anecdotes that were considered totally normal by people in places I've worked. And often not just normal, but laudable.

There's the company that's incredibly secretive about infrastructure. For example, there's the team that was afraid that, if they reported bugs to their hardware vendor, the bugs would get fixed and their

twitter.com/kevin_peel/status/1560233358784872448

The image shows a screenshot of a tweet on a mobile device. The background is orange. The tweet itself is on a dark grey background. At the top left of the tweet area is a back arrow. The title 'Tweet' is centered at the top. On the left side of the tweet area is a vertical sidebar with icons for Home, Search, Notifications, Messages, Bookmarks, Lists, Profile, and a plus sign for more options. The tweet is from 'kevin_peel' (@kevin_peel) and contains the text 'If you need PRs, PRs are not the solution'. It was posted at 13:53 on 18.08.22 via 'Twitter for Android'. The tweet has 7 Retweets, 1 Quote Tweet, and 14 Likes. Below the tweet, a reply from 'MrKeith' (@keith_humphreys) is visible, dated 19.08.22, replying to @kevin_peel and @andylongshaw.

Kevin Peel @kevin_peel

If you need PRs, PRs are not the solution

13:53 · 18.08.22 · [Twitter for Android](#)

7 Retweets 1 Quote Tweet 14 Likes

MrKeith @keith_humphreys · 19.08.22
Replying to @kevin_peel and @andylongshaw

Practices

Practice
Open Source

Practice

Atomic Commmits

Practice

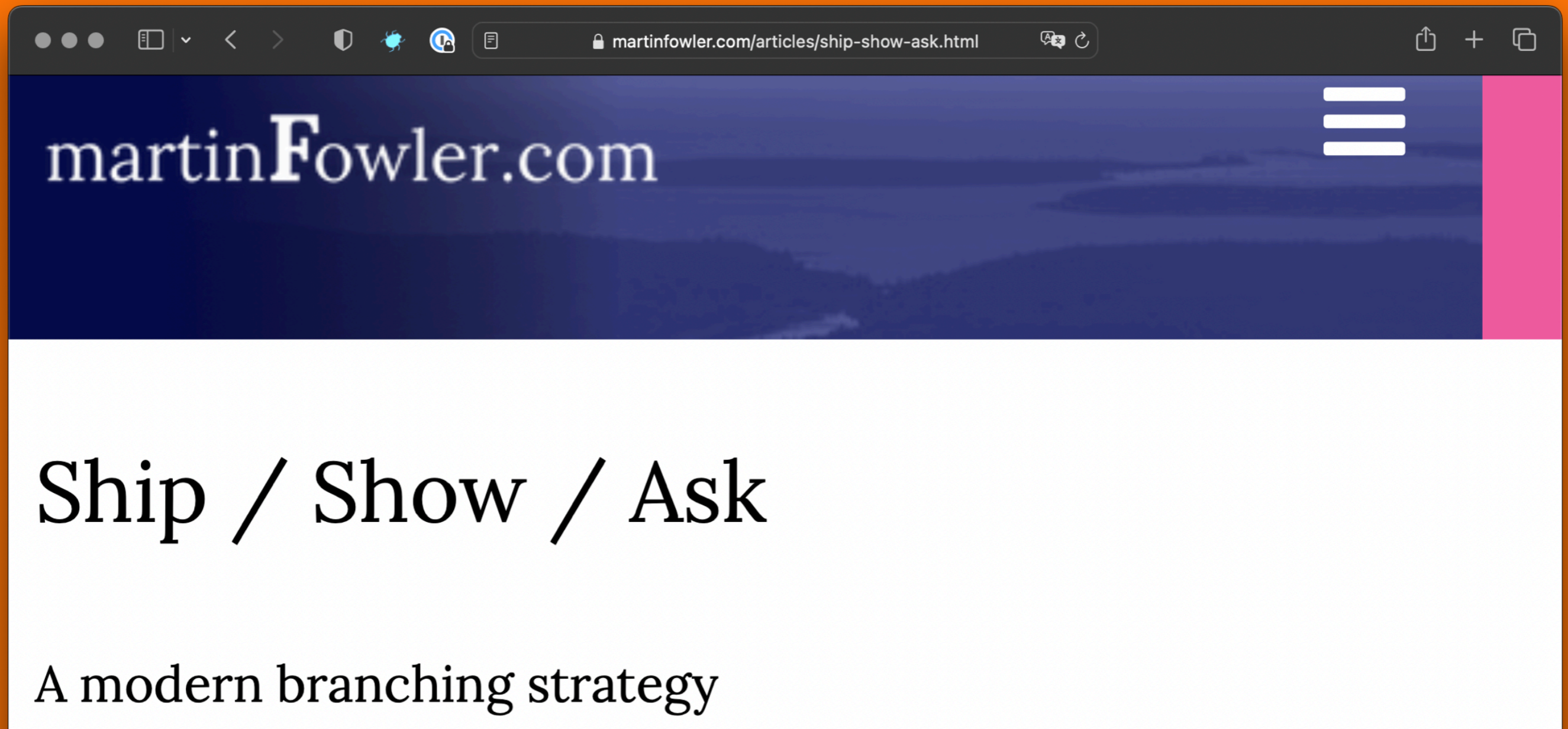
Atomic Pull

Requests

Practice

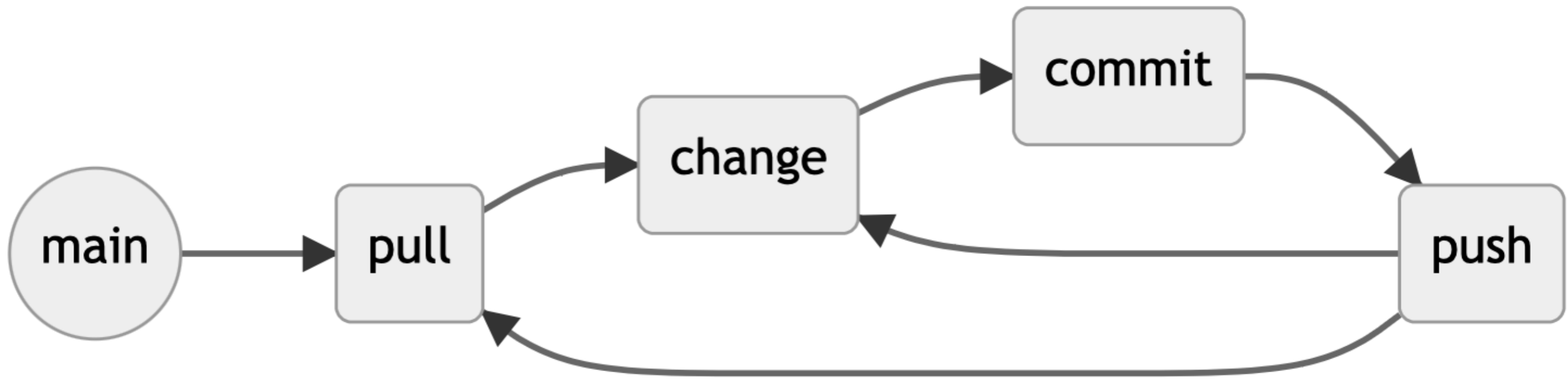
Ship, Show, Ask

martinfowler.com/articles/ship-show-ask.html



Practice

Ship

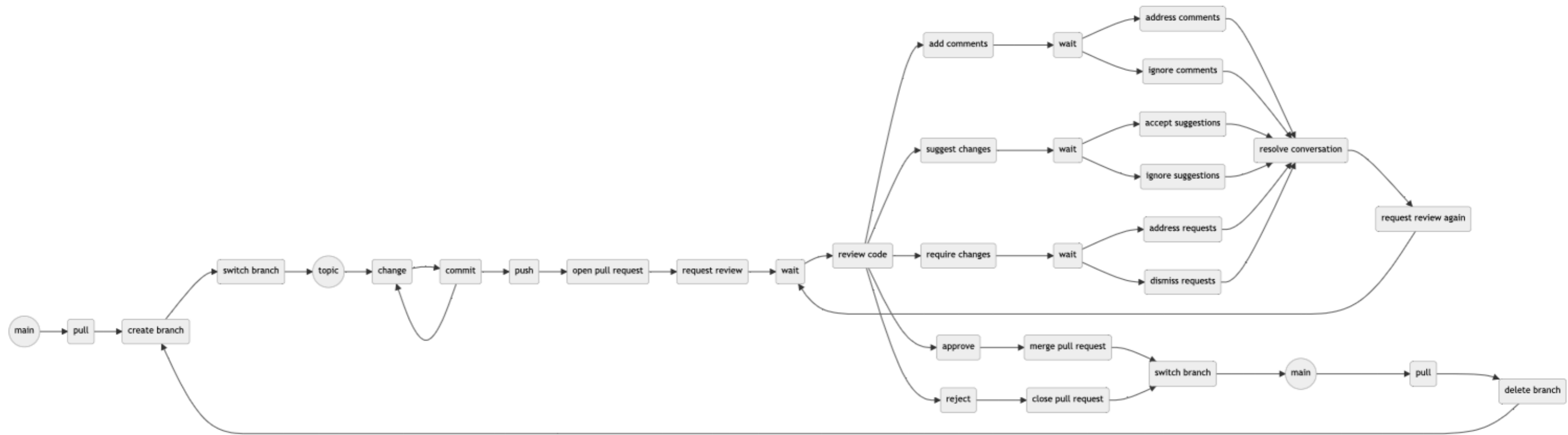


Practice Show



Practice

Ask



Summary

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Conclusion

Q & A

Thank you!

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twitter.com/@localheinz

github.com/localheinz

localheinz.com