

Code Review

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What do you find hardest to review?

Go to **menti.com** and enter **26 31 48**

or visit <https://www.menti.com/uxjjab63qi>



What can be reviewed

- ⬡ Functional requirements
- ⬡ Non-functional requirements
- ⬡ Code quality



Automated code review

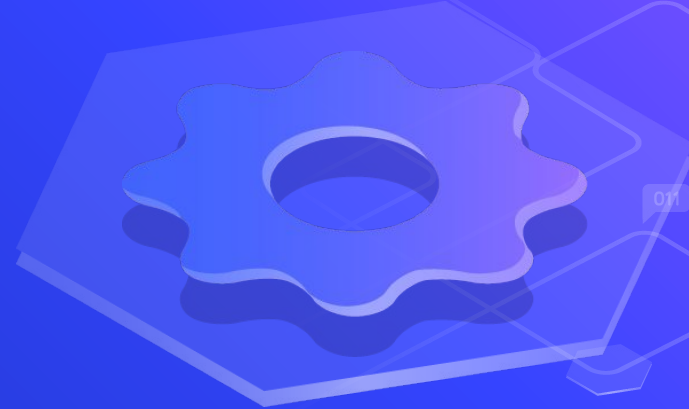
- Unit tests
- Static code analysis
- Linters

Pros

- Time
- Thoroughness

Cons

- Difficult to automate everything



Manual Review Processes

Over the shoulder

PROS

- Easier to understand code.
- Easy dialog.
- Comfortability.

CONS

- Tedious, inefficient, bad use of resources.
- No Documentation.

Meetings

PROS

- More eyes
- Easier communication.
- Expertise variation.

CONS

- Time consuming
- skimming instead of scanning.

Pair programming

PROS

- Must understand code.
- Less tedious.
- Easy dialog.

CONS

- Unnecessary use of resources.

Asynchronous (PR, Email, etc)

PROS

- Flexible location and time allocation.
- Thorough review.
- Tool assisted.

CONS

- Worse communication
- Underestimated time allocation.

Constructive Criticism

BIG to small



Conclusion/take-home message

- ⬡ Choose what works best for you and your environment.
- ⬡ Automate what you can.
- ⬡ Be constructive in your criticism.
- ⬡ Have good priorities.



Wash your hands

The background is a dark, abstract composition. On the left, a dense bundle of fiber optic cables is shown, with many individual strands glowing with bright blue light. Some strands are in sharp focus, while others are blurred, creating a sense of depth. To the right of the fiber optics, there is a faint, white line-art diagram of a network or circuit. This diagram consists of interconnected nodes and lines, with some nodes labeled with binary code: '001' at the top right, '011' in the middle right, and '010' at the bottom right. The overall color palette is dominated by deep blues and purples, with the bright blue light from the fiber optics providing a strong contrast.

Thanks!

Any questions?

Learn more:

opensource.com/article/19/7/code-reviews-devops

