

Assignment: Code reviews

Code reviews by peers or seniors help to keep your code in line with company coding standards, can reduce the amount of bugs, and helps with keeping code readable.

Difficulty: ☆☆☆☆☆

Learning objectives:

- Doing a code review

Estimated time required: 40 minutes

Step 1: Discuss coding standards with your group

As a project group, make or pick a coding standard to stick with. By using a coding standard, you make sure all developers use a similar coding style. This will increase the readability and therefore maintainability of your code. For example: <https://google.github.io/styleguide/javaguide.html>

Step 2: Pick a tool to help you with code reviews

As we are using Gitlab you might use the build-in option to add code reviews to merge requests. See <https://about.gitlab.com/blog/2017/03/17/demo-mastering-code-review-with-gitlab/> or <https://docs.gitlab.com/ee/user/discussions/index.html#merge-request-reviews>

But feel free to use any tool you and your team prefer.

Step 3: Doing the code review

Ask a classmate to do the code review, as you do hers.

Final step: Implement code reviews as a part of your process

Start using code reviews as an important quality analysis and improvement tool for your group project work. Make sure you collect evidence of the code reviews for showing competence in your learning outcomes.