

# Code Review

## description\_

Today, the underlying cause of poor customer experience in most apps is the snowball effect of low-quality code at the app level, impacting the entire digital service.

At adesso, we see the coding process as an area where the software developer performs his own art like an artisan while being subject to certain standards. This artisanship that actually formed over the years has turned into a culture with the master-apprentice relationship and become the most important intellectual capital of adesso. When we conduct a code review, we share with you both how you are doing according to the standards and what extra things can be done for the artisan-aesthetical side thanks to our unique experience and people.

### Service Metrics

Effort : 10-25 Person/Day

Duration : 2-4 Weeks

Team structure: 1 Lead Architect | 1 Lead Developer

### Tooling



SonarQube



SonarLint



JUnit



Checkstyle

## motivations\_

- ▶ Spaghetti code in long-developed software
- ▶ Handover of software developed by other companies
- ▶ Long-running compilation and packaging processes
- ▶ Performance issues
- ▶ Security check
- ▶ Duplication issues
- ▶ Traceability issues
- ▶ Continuity and standardization issues in a multi-developer environment

## prerequisites\_

- ▶ All the reviewed software should be openly accessible on the code level without any legal issues

## deliverables\_

A report that includes but not limited to:

- ▶ Analysis of code quality based on relevant standards
- ▶ Top 10 quick fixes/recommendations
- ▶ Steps to be taken to improve code quality in the medium and long term
- ▶ Training recommendations
- ▶ Roadmap for sustainability of the code
- ▶ A review session to go over the findings and recommendations for the next steps

## references\_

- ▶ ING Bank
- ▶ UPT
- ▶ AgeSA