



# Code Review & Code Quality

Me code pretty one day

Patrick Connelly  
@aelst







**Patrick Connelly**

Principal Software Engineer





<https://bit.ly/ncsfdcdiscord>





# What is a Code Review for?

A code review is a way to look over code and ensure that it is written in a consistent way and to help reduce issues.



# Getting started

- Set clear goals and expectations
- Include everyone in the process
- Be positive



# Code review checklist



- ☐ Readability
- ☐ Security
- ☐ Test Coverage
- ☐ Architecture
- ☐ Reusability



# Readability



- Consistency
  - Variable / method naming norms
- Legibility
- Misspellings and typos





# Security



- Possible exploits
- Privacy / sharing issues
- Compliance issues (HIPPA, PCI, etc)
- Availability issues





# Test Coverage



- Tests actually test things
- The right types of tests



# Architecture



- Best practices
  - Class / trigger design
  - SOQL query optimization





# Reusability



- Remove / reduce duplicate code



# What is a Code Review NOT for?

A code review is a not a time to review formatting, that should be done before the code is sent for review





# Who should participate?



# Code Quality



- Consistency
- Enforcement of best practices
- Real-time feedback





# Tooling



- PMD
- SonarQube
- ESLint
- StyleLint



# PMD



Real-time local static analysis based on rulesets for best practices and custom.





# SonarQube



A hosted extension of PMD with extra features like storing code coverage and test runtime



# ESLint / Stylelint



Static analysis tools for Javascript and CSS







Thank  
You!

