

# Software project basics

Tom Rochette <tom.rochette@coreteks.org>

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- Code changes are stored in git
- Setup continuous integration
- Have a testing framework
- Use dependency management
- Define a code standard
- Prefer function/method typing over dynamic types
- On every push to git
  - Code quality check
  - Code style check
  - Unit/functional/integration/system tests
    - \* Code coverage should be recorded during tests and a report made available
- A project repository must have a README.md explaining how to run the project on your own computer
- A project repository must have a RELEASING.md explaining how to release the code
- Responsibilities are made explicit in terms of roles
- Critical roles, such as project lead, must have a backup/shadow individual
- Setup telemetry, alerts, profiling, logging