

# Introduction to Test-Driven Development

Christopher Bartling

# Why Test-Driven Development

- Code design
  - Tests communicate soundness of design decisions
- Executable documentation
  - Communicates intent

# Test-driven development mantra

- Red: Write a test that doesn't work or perhaps doesn't even compile
- Green: Quickly make the test execute successfully, even duplicating code if need be
- Refactor: Eliminate code duplication and make source code more communicative, all the while making sure all tests pass successfully

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## Further reading

- Test-Driven Development: By Example
  - Kent Beck
- Working Effectively with Legacy Code
  - Michael C. Feathers