

SOLID Principles II

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See [csse2002](#)¹ for course logistics. Continues [2026-04-02-refactoring](#)² (Week 6) — Single Responsibility and Open-Closed were covered there; this lecture covers the remaining three SOLID principles.

Today's outline

1. Liskov Substitution Principle (and substitution with contracts)
2. Interface Segregation Principle
3. Dependency Inversion Principle

All content, including the worked examples, is in [java-solid-principles](#)³ (updated this week with the L, I, D sections).

Applied class

No separate applied-class topic on SOLID this week — see [week7-tutorial-black-box-and-glass-box-testing](#)⁴ for this week's applied class (black-box/glass-box testing, a continuation of [java-testing](#)⁵ from Week 5).

¹[courses/csse2002/csse2002.pdf](#)

²[courses/csse2002/2026-04-02-refactoring.pdf](#)

³[courses/csse2002/java-solid-principles.pdf](#)

⁴[courses/csse2002/week7-tutorial-black-box-and-glass-box-testing.pdf](#)

⁵[courses/csse2002/java-testing.pdf](#)