

## Day 4 Lesson Plan

### Discussion of inheritance and composition

- OOP Extension mechanisms<sup>1</sup>

### Reading

- Watch Function Structure video selected parts<sup>2</sup>
- Read Function Structure notes<sup>3</sup>
- Optional read: Clean Code, chapter 3<sup>4</sup>
- Points to get:
  - How many arguments should functions have?
  - Why should we avoid boolean arguments to functions?
  - What does the *stepdown rule* say?
  - What does the *command-query separation* rule say?
  - What does the *tell, don't ask* rule say?
  - What are function *side-effects*?
  - What is *temporal coupling*?
- Read Code Smells<sup>5</sup>

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<sup>1</sup> [../cheatsheets/OOPExtensions.html](#)

<sup>2</sup> [../videos/05-function\\_structure.html](#)

<sup>3</sup> [../activities/activity3-2functionStructure.html](#)

<sup>4</sup> <https://learning.oreilly.com/library/view/clean-code/9780136083238/chapter03.html#ch3>

<sup>5</sup> [../activities/activity5-1codeSmells.html](#)