

**Cohesion Explanation – Survey 2<sup>nd</sup> question: “How would you explain to someone else what a highly cohesive class is?”**

- 11 topics extracted from the 71 responses:
  - **Class responsibilities (56) (78.8%)**
  - **Coupling (13) (18.3%)**
  - **Maintainability (including comprehension, readability) (5) (7%)**
  - **Class internal structure (5) (7%)**
  - **Correctness (4) (5.6%)**
  - Reusability (3) (4.2%)
  - Size (3) (4.2%)
  - Change propagation (change impact/ripple effect) (2) (2.8%)
  - Change-proneness (2) (2.8%)
  - Cohesion subjectivity (1) (1.4%)
  - Encapsulation (1) (1.4%)

*\* Each response may touch one or more topics*

# Cohesion Explanation – Survey 2<sup>nd</sup> question: *“How would you explain to someone else what a highly cohesive class is?”*

- **Topics distribution over responses** (the sequence of numbers represents the responses' indexes):
  - Class responsibilities (56)
    - 15, 17, 19, 20, 22, 25, 26, 28, 30, 32, 34, 35, 36, 39, 41, 42, 43, 50, 51, 54, 56, 57, 60, 62, 63, 64, 65, 66, 67, 69, 70, 71, 72, 73, 77, 79, 84, 86, 89, 91, 93, 94, 95, 97, 102, 105, 106, 107, 110, 113, 115, 116, 118, 122, 124, 125
  - Coupling (11)
    - 16, 20, 25, 36, 37, 38, 70, 79, 88, 90, 97, 98, 123
  - Maintainability (including comprehension and readability)(5)
    - 20, 42, 84, 86, 95
  - Class internal structure (5)
    - 29, 58, 97, 98, 116
  - Correctness (4)
    - 20, 67, 110, 117
  - Reusability (3)
    - 42, 59, 70
  - Size (3)
    - 24, 30, 86
  - Change propagation (change impact/ripple effect) (2)
    - 41, 93
  - Change-proneness (2)
    - 13, 59
  - Cohesion subjectivity (1)
    - 77
  - Encapsulation (1)
    - 90