

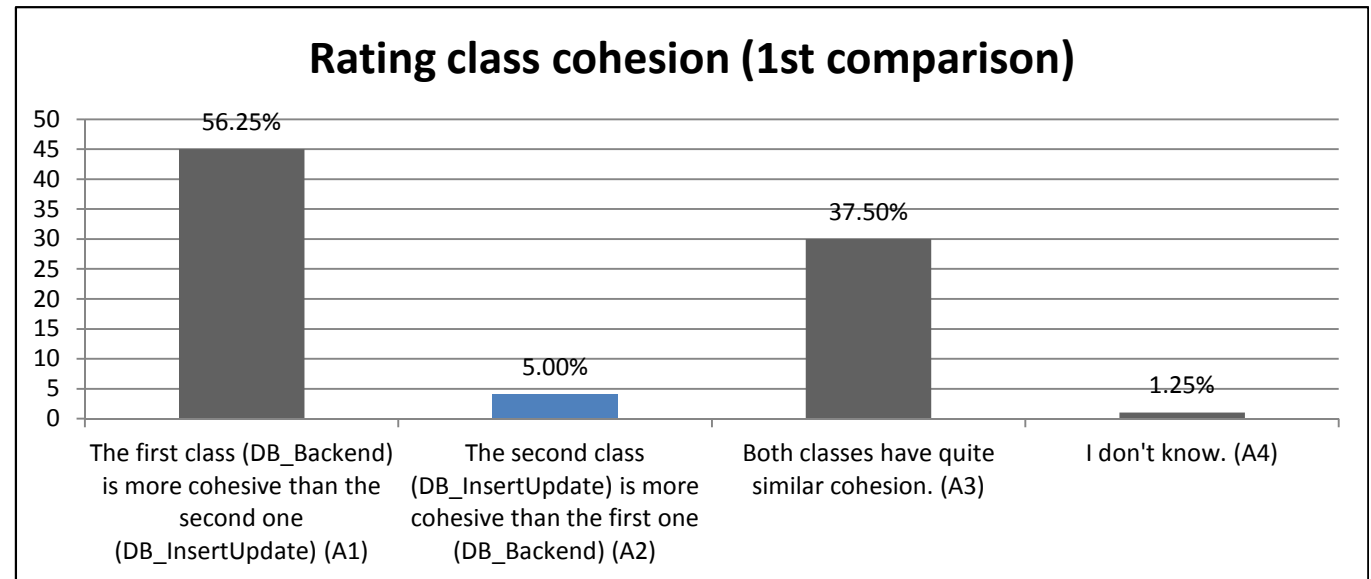
DB_Back
end

vs.

DB_Insert
Update

Higher LCOM
Same LCbC

Lower LCOM
Same LCbC



- **Reasons for choosing DB_InsertUpdate as more cohesive:**

- Class responsibilities (3)
- Readability and Comprehension (1)
- Complexity (1)
- Less suitable to split than the other class (1)
- Class public interface and Encapsulation (1)

* Responses can touch more than one topic

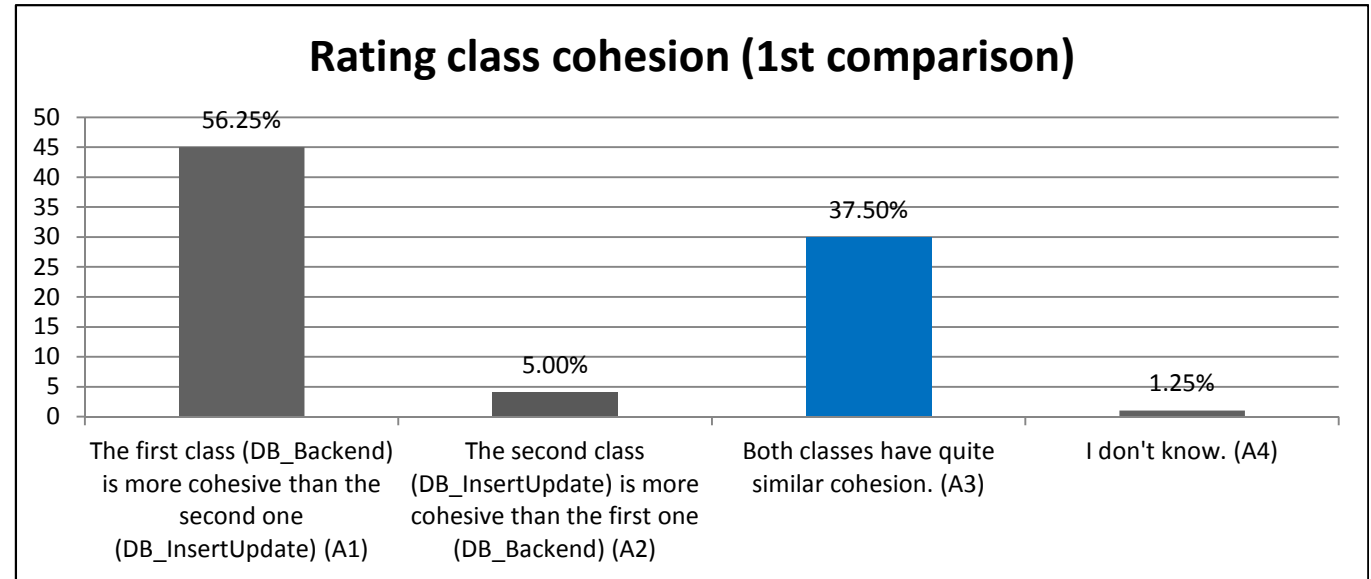
DB_Back
end

vs.

DB_Insert
Update

Higher LCOM
Same LCbC

Lower LCOM
Same LCbC



- **Reasons for choosing both classes with quite similar cohesion:**
 - Class responsibilities (28)
 - Suitability to split (2)
 - Method decomposition / both needing refactoring (1)
 - Class public interface and Encapsulation (1)
 - Class internal structure (1)

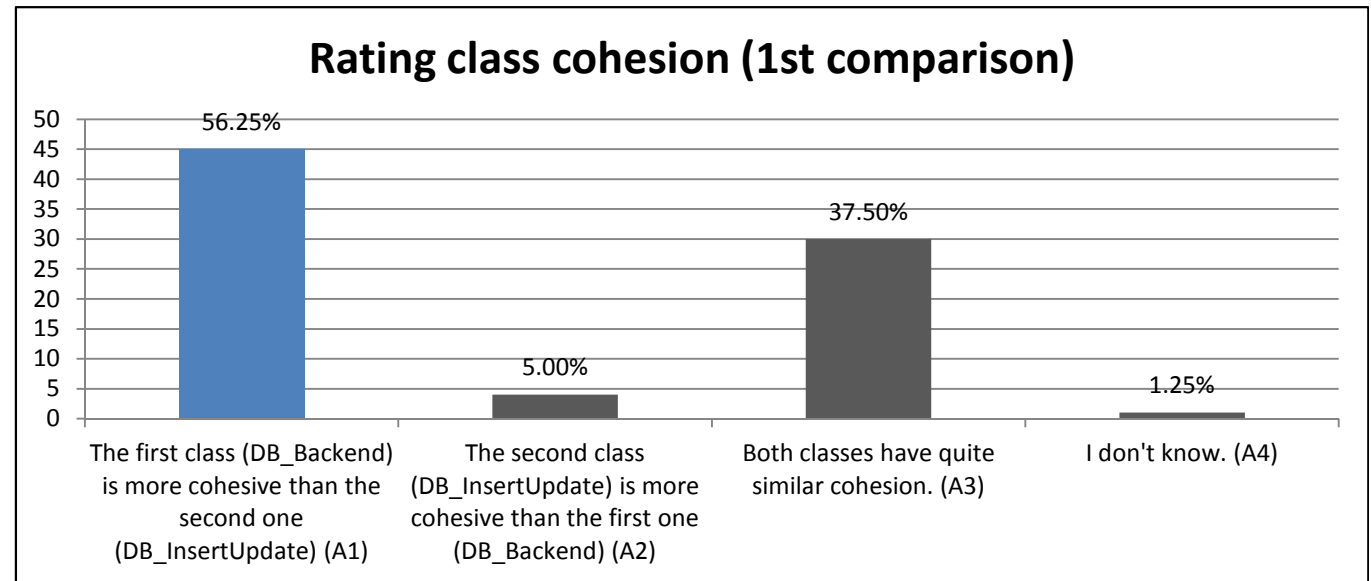
DB_Backend

Higher LCOM
Same LCbC

vs.

DB_InsertUpdate

Lower LCOM
Same LCbC



- **Reasons for choosing DB_Backend as more cohesive:**
 - Class responsibilities (29)
 - Insert and update as different concerns in DB_InsertUpdate (17)
 - Less suitable to split than the other class (12)
 - Coupling (8)
 - Coupling to specific database vendor class (1)
 - Class internal structure (7)
 - Method decomposition / needing refactoring (2)
 - Class public interface and Encapsulation (1)
 - Reusability (1)
 - Readability and comprehension (1)
 - Size (1)
 - Code duplication (1)