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CEN 4025c

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**Anti-Patterns & Code Smells**

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| **Anti-Patterns** | | |
| **Type** | **Scope** | **Severity** |
| Big Ball of Mud | Architectural | 10 |
| Spaghetti Code | Application | 9 |
| God Object | Class | 8 |
| Lava Flow | Architectural | 8 |
| Golden Hammer | Architectural | 7 |
| Premature Optimization | Application | 7 |
| Reinventing the Wheel | Application | 6 |
| Magic Numbers | Application | 5 |
| Boat Anchor | Architectural | 3 |
| Copy-Paste Programming | Class | 2 |

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| **Code Smells** | | |
| **Type** | **Category** | **Severity** |
| Data Clumps | Bloaters | 2 |
| Primitive Obsession | Bloaters | 3 |
| Data Class | Dispensables | 3 |
| Comments | Dispensables | 4 |
| Alternative Classes with Different Interfaces | Object-Orientation Abusers | 4 |
| Divergent Change | Change Preventers | 5 |
| Switch Statements | Object-Orientation Abusers | 6 |
| Inappropriate Intimacy | Couplers | 7 |
| Feature Envy | Couplers | 8 |
| Shotgun Surgery | Change Preventers | 8 |