






AntiPatterns

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- An AntiPattern describes a commonly occurring solution to a problem that generates decidedly negative consequences
 - The AntiPattern may be the result of a manager or developer
 - not knowing any better,
 - not having sufficient knowledge or experience in solving a particular type of problem, or
 - having applied a perfectly good pattern in the wrong context.

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- **AntiPatterns** are presented from three perspectives – developer, architect, and manager:
 - **Development AntiPatterns:** comprise technical problems and solutions that are encountered by programmers.
 - **Architectural AntiPatterns:** identify and resolve common problems in how systems are structured.
 - **Managerial AntiPatterns:** address common problems in software processes and development organizations.



AntiPatterns: Development

- **The Blob:** Procedural-style design leads to one object with most of the responsibilities, while most other objects only hold data or simple operations.
- **Lava Flow:** Dead code and forgotten design information is frozen in an ever-changing design.
- **Functional Decomposition:** The output of nonobject-oriented developers who design and implement an application in an object-oriented language.
- **Ambiguous Viewpoint:** Object-oriented analysis and design (OOA&D) models that are presented without clarifying the viewpoint represented by the model.



AntiPatterns: Development

- **Golden Hammer:** A familiar technology or concept applied obsessively to many software problems.
- **Spaghetti Code:** Ad hoc software structure makes it difficult to extend and optimize code.
- **Cut-and-Paste Programming:** Code reused by copying source statements leads to significant maintenance problems.
- **Mushroom Management:** Keeping system developers isolated from the system's end users.