

126 strategies to implement practices to avoid 'Agile in name only' and 'Build better / risk less'

Based on Beyond Legacy Code: Nine Practices to Extend the Life (and Value) of Your Software.

Say What, Why and Whom before How	Build in small badges	Integrate continuously	Collaborate	Create clear code	Write the test first	Specify behaviours with tests	Implement the design last	Refactor legacy code
7 strategies for Product Owners: - Be the SME - Use development for discovery - Help developers understand why and for whom - Describe what you want, not how to get it - Answer questions quickly - Remove dependencies - Support refactoring 7 strategies for writing better stories: - See it as a placeholder - focus on the 'What' - Personify the 'Who' - Know why a feature is wanted - Start simple and add enhancements later - Think about edge cases - Use acceptance criteria	7 strategies for measuring software development: - Measure time-to-value - Measure time spent coding - Measure defect density - Measure time to detect defects - Measure customer value of features - Measure cost of not delivering features - Measure efficiency of feedback loops 7 strategies for splitting stories: - Break down compound stories into components - Break down complex stories into knowns and unknowns - Iterate on unknowns until they're understood - Split on acceptance criteria - Minimize dependencies - Keep intensions singular - Keep stories testable	7 strategies for agile infrastructure: - Use version control for everything - One-click build end-to-end - Integrate continuously - Define acceptance criteria for tasks - Write testable code - Keep test coverage where it is needed 7 strategies for burning down risk: - Integrate continuously - Avoid branching - Invest in automated tests - Identify areas of risk - Work through unknowns - Build the smallest pieces that show value - Validate often	7 strategies for pair programming: - Try it, you'll like it - Engage driver and navigator - Swap roles frequently - Put in an honest day - Try all configurations - Let teams decide on the details - Track progress 7 strategies for effective retrospectives: - Look for small improvements - Blame process, not people - Practice the five whys - Address root causes - Listen to everyone - Empower people - Measure progress	7 strategies for increasing code quality: - Get crisp on the definition of quality - Share common quality practices - Let go of perfectionism - Understand trade-offs - Hide 'How' with 'What' - Name things well - Keep code testable 7 strategies for maintainable code: - Adopt collective code ownership - Refactor enthusiastically - Pair constantly - Do code reviews frequently - Study other developers' styles - Study software development - Read code, write code, and practice coding	7 strategies for great acceptance tests: - Get clear on the benefits of what you're building and why they want it - Automate acceptance criteria - Specify edge cases, exceptions, and alternative paths - Use examples to flesh out details and flush out inconsistencies - Split behaviours on acceptance criteria - Make each test unique 7 strategies for great unit tests: - Take the caller's perspective - Use tests to specify behaviour - Only write tests that create new distinctions - Only write production code to make a failing test pass - Build out behaviours with tests - Refactor code - Refactor tests	7 strategies for using tests as specifications: - Instrument your tests - Use helper methods with intention-revealing names - Show what's important - Test behaviours, not implementations - Use mocks to test workflows - Avoid over specifying - Use accurate examples 7 strategies for fixing bugs: - Don't write them in the first place - Catch them as soon as possible - Make bugs findable by design - Ask the right questions - See bugs as missing tests - Use defects to fix process - Learn from mistakes	7 strategies for doing emergent design: - Understand Object-Oriented design - Understand design patterns - Understand Test-Driven Development - Understand refactoring - Focus on code quality - Be merciless - Practice good development habits 7 strategies for cleaning up code: - Let code speak for itself - Add seams to add tests - Make methods more cohesive - Make classes more cohesive - Centralize decisions - Introduce polymorphism - Encapsulate construction	7 strategies for helping you justify refactoring: - To learn an existing system - To make small improvements - To retrofit tests in legacy code - Clean up as you go - Redesign an implementation once you know more - Clean up before moving on - Refactor to learn what not to do 7 strategies for when to refactor: - When critical code is not well maintained - When the only person who understands he code is becoming unavailable - When new information reveals a better design - When fixing bugs - When adding new features - When you need to document legacy code - When it's cheaper than a rewrite