[Testability Costs Too Much](#)

How Quality Affects Costs

As of 2011, the **average cost per function** point in the United States is about **$1,000 to build** software applications and another **$1,000 to maintain** and support them for five years: **$2,000 per function point in total**. For projects that **use effective combinations of defect prevention and defect removal** activities and achieve high quality levels, average development costs are only about **$700 per function point** and maintenance, and support costs drop to about **$500 per function point: $1,200 per function point in total**.

From "The Economics of Software Quality",
Capers Jones and Olivier Bonsignour

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If we want to effectively use it, the ease of testing should be addressed ... is aimed at making the system flexible enough to minimize the cost of change. ... Many of the concepts and principles for effective unit testing writing .... Sampson-Wild, G.: Testability Costs Too Much. A List Apart (2007), http://www.alistapart.com/articles/testability/ 11. Smith, J.: Testability in WCAG 2.0. WebAIM .... Buffered from the consequences of design decisions that decrease testability, the developers continue to create software that's nigh onto .... Testability is the degree to which a software artifact facilitates testing in a given test context. ... The improvement of test criteria is one way to reduce test costs. Better ... Time-triggered systems, for example, make it much eas- ier to achieve .... Testing is subject to two basic constraints, namely cost and quality. The cost depends on ... So testability is also the bridgehead towards agility.. If you follow this mantra, especially when it comes to static methods, it shouldn't be too difficult to test them, and you should not have many issues with using them .... G. (2007) 'Testability costs too much', AListApart, 26 June 2007, http://www.alistapart.com/articles/testability, date accessed 6 June 2007. Satrapi, M. (2003) .... Why does it cost so much more to fix production bugs? ... up your team with mentorship: How to write more testable code, TDD, CI/CD process, ... Unit Testing Costs Too Much And Slows A Project Down ... You are forced to change the structure of your code to make it testable. You have to .... Sure, you learn from your mistakes, but at what cost? ... Yesterday I wrote why it's important to know how much your teams cost per sprint. Today I'd ... Provide your teams with product backlog items that are small and testable.. Testability Costs Too Much. You'd be forgiven for not recognizing the term "testability," despite its central importance to the W3C 's new Web Content Accessibility Guidelines (WCAG 2.0).. A List Apart: Articles: Testability Costs Too Much http://www.alistapart.com/articles/testability.. Must run as many tests as needed to identify frequency bins. • Including the "zero-frequency" bin for keychains. – Automated test equipment (ATE) can cost .... Software testability measurement refers to the activities and methods that ... testing phase, much more effective testing resources allocation and ... This helps in creating a better quality product and proves cost effective too.. Cost of Testing One might ask why so much attention is now being given to the level of testability at chip and board levels. The bottom line is the cost of doing .... They estimated that a bug found during TDD costs $5 to fix, which surges ... was very much virtualized, and there was nothing physical to see.. That out of the way, I wouldn't say that it's important to write testable code ... is useful even if on its own, it doesn't seem to merit that much attention. ... It's just that if you have good tests, the benefits usually outweigh the costs.. to investigate the relationship between software testability and different ... assessment ('How much will testability increase or decrease given a change of this size in ... assumption it makes is also that the cost to test to a certain.. Here we explore software testability and how to improve it. ... bug-free, performant software that won't cost you a fortune in backend running costs. ... The aim should be to test as many user journeys as possible within your .... Cost of Testing One might ask why so much attention is now being given to the level of testability at chip and board levels. The bottom line is the cost of doing ... 87b4100051

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