



Status of Developers' Testing Process

PDF (Size: 900KB) PP. 343-353 DOI : 10.4236/iim.2010.26042

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ABSTRACT

Even if recent methodologies bring more recognition to developers' testing process, we still have little insight into its status within the industry. In this paper, we study the status of developers' testing process at Nomadic Software. Our results show that the process is not uniformly executed. The company suffers from lack of control over the methods used, lack of formal communication on requirements, lack of static testing practice, and lack of testing process documentation.

KEYWORDS

Dynamic Testing, Static Testing, Peer Reviews, Inspections, Debugging, Test Cases, Testing Techniques

Cite this paper

G. Jeppesen, M. Kajko-Mattsson and J. Murphy, "Status of Developers' Testing Process," *Intelligent Information Management*, Vol. 2 No. 6, 2010, pp. 343-353. doi: 10.4236/iim.2010.26042.

References

- [1] J. W. Cangussu, R. A. DeCarlo and A. P. Mathur, " A Formel Model of the Software Test Process," *IEEE Transactions on Software Engineering*, Vol. 28, No. 8, 2002, pp. 782-796.
- [2] L. Groves, R. Nickson, G. Reeves, S. Revves and M. Utting, " A Survey of Software Pratices in the New Zealand Software Industry," *Proceedings of Australian Software Engineering Conference*, Queensland, 28-29 April 2000, pp. 189-201.
- [3] S. P. Ng, T. Murnane, K. Reed, D. Grant and T. Y. Chen, " A Preliminary Survey on Software Practices in Australia," *Proceedings of Australian Software Engineering Conference*, Melbourne, 13-16 April 2004, pp. 116-125.
- [4] " Agile Software Development," 2009. http://en.wikipedia.org/wiki/Agile_software_development
- [5] H. Gallis, E. Arisholm and T. Dyka, " An Initial Framwork for Research on Pair Programming," *Proceedings of ISESE International Symposium on Empirical Software Engineering*, Rome, 30 September-1 October 2003, pp. 132-142.
- [6] E. M. Guerra and C. T. Fernandes, " Refactoring Test Code Safely," *Proceedings of ICSEA International Conference on Software Engineering Advances*, Cap Esterel, 25-31 August 2007, p. 44.
- [7] P. J. Schroeder and D. Rothe, " Teaching Unit Testing using Test-Driven Development," 2005. http://www.testing_education.org/conference/wtst4/pjs_wtst4.pdf
- [8] S. Koroorian and M. Kajko-Matsson, " A Tale of Two Daily Build Projects," *Proceedings of International Conference on Software Engineering Advances*, Porto, 20-25 September 2009, pp. 245-251.
- [9] G. J. Meyers, T. Badgett, T. M. Thomas and C. Snadler, " The Art of Software Testing," 2nd Edition, John Wiley & Sons, Inc., Hoboken, 2004.
- [10] M. Kajko-Mattsson and T. Björnsson, " Outlining Developer' s Testing Mode," *Proceedings of EUROMICRO Conference on Software Engineering and Advanced Applications*, Lübeck, 27-31 August

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2007, pp. 263-270.

- [11] B. Henderson-Sellers, G. Collins and I. Graham, " UML- Compatible Process," Proceedings of 34th Annual Hawaii International Conference on System Sciences, Maui, Vol. 3, 3-6 January 2001, p. 3050.
- [12] " ITM Process (IT-Product Maintenance Process)," Internal Documentation at Nomadic Software, 2009.
- [13] R. Juric, " Extreme Programming and its Development Practices," Proceedings of 22nd ITI International Conference Information Technology Interfaces, Pula, 13-16 June 2000, pp. 97-104.