

Coding Dojo: an environment for learning and sharing Agile practices

Danilo Sato
ThoughtWorks Limited
danilo.sato@thoughtworks.com

Hugo Corbucci, Mariana Bravo
Department of Computer Science
University of São Paulo, Brazil
{corbucci, marivb}@ime.usp.br

Abstract

Resumo...

1 Introduction

In software we do our practicing on the job, and that's why we make mistakes on the job. We need to find ways of splitting the practice from the profession. We need practice sessions.

—Dave Thomas

The idea of a *Code Kata* was initially proposed by Dave Thomas as an exercise where programmers could write throwaway code to practice their craft outside of a working environment [4]. Laurent Bossavit later proposed the idea of a *Coding Dojo*: a session where a group of programmers would gather to solve the *Code Kata* together [2]. Although the session is organized around a programming challenge, the main goal of a *Coding Dojo* is to learn from others and improve design and coding skills through deliberate practice. This creates a learning environment where technical practices such as those proposed by Extreme Programming (XP) [1] can be shared.

This report describes the authors' experience of founding and running a *Coding Dojo* in São Paulo, Brazil. Section 2 will present the tailored process to conduct the sessions, improved over time by retrospectives. Section 3 will present lessons learned from the weekly meetings being held since the first session in July, 2007. Section 4 will discuss the aspects of a *Coding Dojo* that foster learning and tacit knowledge sharing, concluding in Section 5.

2 Coding Dojo

A Coding Dojo is a weekly meeting where a group of programmers gets together to learn, practice, and share experiences. The session is organized around a programming

challenge (Code Kata) where people are encouraged to participate and share their coding skills with the audience while solving the problem. In an inclusive and collaborative environment, the participants discuss and practice a wide range of topics, such as: TDD/BDD, Agile, refactoring, pair programming, OO, design, Algorithms, different programming languages, paradigms, and frameworks.

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O que é?[3] Por quê? Origem[4]

2.1 Coding Dojo@SP: Numbers and Processes

session agenda, # of participants, # of meetings, Languages utilized, ...

3 Lessons Learned

3.0.1 What Went Well?

3.0.2 What Went Less Well?

3.0.3 What Puzzles Us?

4 Dojo and Learning

5 Conclusion

References

- [1] K. Beck and C. Andres. *Extreme Programming Explained : Embrace Change*. Addison-Wesley Professional, 2nd edition, 2004.
- [2] L. Bossavit. Object dojo. www.bossavit.com/pivot/pivot/entry.php?id=207, 2003.
- [3] Coding dojo wiki. www.codingdojo.org, 2007.
- [4] D. Thomas. Code kata: How to become a better developer. codekata.pragprog.com, 2003.