Commentary on “Patterns, frameworks, and middleware: their synergistic relationships. In Software Engineering”

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Today the word synergy gets thrown around a lot. It is used as buzz word to catch people’s attention, and generally doesn’t have much of a meaning. However, I feel that the article “Patterns, Frameworks, and Middleware: Their synergistic relationships. In software engineering” really understood what the true intent of the word synergy is.

The word synergy is used to describe the cooperation of two or more organizations, substances, or other agents to produce a combined effect greater than the sum of their separate effects. That is exactly what the use of patterns, frameworks, and middleware does to software engineering. In other words, the use of Patters and frameworks and middleware together has a much greater positive effect in the development of software than would the use of just one of these or none at all.

I can really relate to the fact that many times the desire to create original software from the ground up may cause problems in development. This is especially true in the harsh first to market that we live in today. I imagine this as having to rediscover the wheel every time makes the development difficult. This makes software development costlier and more time consuming.

That’s why the use of technologies such as frameworks is so important. It allows the reuse of algorithms and proven methods in development.

References

Schmidt, D. C., & Buschmann, F. (2003, May). Patterns, frameworks, and middleware: their synergistic relationships. In Software Engineering, 2003. Proceedings. 25th International Conference on (pp. 694-704). IEEE.