
Unit 7: Software Quality Monitoring in Python

Required Reading

McCall, J. A., Richards, P. K., & Walters, G. F. (1977) Factors in Software Quality, Concept and Definitions of Software Quality. General Electric Company.

Klotins, E., Unterkalmsteiner, M. & Gorschek, T. (2019) Software engineering in start-up companies: An analysis of 88 experience reports. *Empir Software Eng* 24: 68–102.

Sarker, K. U., Deraman, B. & R. Hasan (2018) Descriptive Logic for Software Engineering Ontology: Aspect Software Quality Control. 4th International Conference on Computer and Information Science 1-5.

Winters, T., Manshreck, T. & Wright, H. (2020) Software Engineering at Google, Lessons Learned from Programming over Time. O'Reilly Media, Inc.

- Chapter 1.
- Chapter 8.

Firdaus, A., Ghani, I., & Jeong, S. R. (2014) Secure feature driven development (SFDD) model for secure software development. *Procedia-Social and Behavioral Sciences*.129. 546-553.

Additional Reading

Gabriel Farah, Juan Sebastian Tejada, and Dario Correal. 201 OpenHub: a scalable architecture for the analysis of software quality attributes. In *Proceedings of the 11th Working Conference on Mining Software Repositories (MSR 2014)*. Association for Computing Machinery, New York, NY, USA. 420–423.

Ramasubbu, N. & Kemerer, C. (2018) Integrating Technical Debt Management and Software Quality Management Processes: A Framework and Field Tests. *IEEE/ACM 40th International Conference on Software Engineering (ICSE) 2018*. 883-883

Coelho, J. & Tulio Valente, M. (2017) Why modern open source projects fail. In *Proceedings of the 2017 11th Joint Meeting on Foundations of Software Engineering (ESEC/FSE 2017)*. Association for Computing Machinery, New York, NY, USA. 186–196.