

Unit 10: 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. 2011 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.