

Unit 10: Testing Code in Practice

The reading this week focusses on the ways in which commenting may be applied to code.

Required Reading

Reitz, K. (2016) *The Hitchhiker's Guide to Python: Best Practices for Development*. O'Reilly.

- Chapters 4 and 6.

Jacobson, I., Rumbaugh, J. & Booch, G. (2004) *The Unified Modeling Language Reference Manual*. 2nd ed. Pearson Education.

- Chapter 11.

Rani, P., Abukar, S., Stulova, N., Bergel, A. & O. Nierstrasz (2021) Do Comments follow Commenting Conventions? A Case Study in Java and Python. 2021 IEEE 21st International Working Conference on Source Code Analysis and Manipulation (SCAM). 165-169. DOI: 10.1109/SCAM52516.2021.00028.

Fortino, G., Guerrieri, A., Russo, W. & Savaglio, C. (2015) Towards a Development Methodology for Smart Object-Oriented IoT Systems: A Metamodel Approach. 2015 IEEE International Conference on Systems, Man, and Cybernetics. 1297-1302. DOI: 10.1109/SMC.2015.231.

Atlassian CI/CD (n.d) What is Software Testing?

The Association for Software Quality (n.d) What is Software Quality?

Additional Reading

Merta, J. (2018) *Documenting Python Code: A Complete Guide*. Real Python.

Shaw, A. (2018) Getting Started with Testing in Python. Real Python.

Peters, T. (2004) PEP 20 – The Zen of Python. Python Enhancement Proposals.

Anon (n.d) Visibility in UML.