

COMP0135: Professional Practice

Nicolas Gold

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1.

British Computer Society Code of conduct (i.e. professional ethics) [Internet]. Available from: <http://www.bcs.org/category/6030>

2.

Laplante PA. Licensing professional software engineers. Communications of the ACM. 2014 Jul 1;57(7):38–40. doi:10.1145/2618111

3.

Knight JC, Leveson NG. Should software engineers be licensed? Communications of the ACM. 2002 Nov 1;45(11). doi:10.1145/581571.581601

4.

Laplante PA. An international perspective on U.S. licensure of software engineers. IEEE Technology and Society Magazine. 2013 Spring;32(1):28–30. doi:10.1109/MTS.2013.2241295

5.

Guide to the GDPR [Internet]. ICO; 2018. Available from: <https://ico.org.uk/for-organisations/uk-gdpr-guidance-and-resources/>

6.

Bott F. Professional issues in information technology [Internet]. Second edition. Swindon,

UK: BCS Learning and Development Ltd; 2014. Available from:
https://learning.oreilly.com/library/view/professional-issues-in/9781780171807/?sso_link=yes&sso_link_from=university-college-london

7.

Harman M. The role of Artificial Intelligence in Software Engineering. In: 2012 First International Workshop on Realizing AI Synergies in Software Engineering (RAISE) [Internet]. IEEE; 2012. p. 1–6. Available from:
<http://ieeexplore.ieee.org/document/6227961/> doi:10.1109/RAISE.2012.6227961

8.

Finding and fixing software bugs automatically with SapFix and Sapienz - Facebook Code [Internet]. Available from:
<https://code.fb.com/developer-tools/finding-and-fixing-software-bugs-automatically-with-sapfix-and-sapienz/>

9.

The Register: Sci/Tech News for the World [Internet]. Available from:
<http://www.theregister.co.uk/>

10.

News and analysis for UK IT directors, CTOs and CIOs - Computing [Internet]. Available from: <http://www.computing.co.uk/>

11.

ComputerWeekly.com | Information Technology (IT) News, UK IT Jobs, Industry News [Internet]. Available from: <http://www.computerweekly.com/>

12.

SD Times - Software Development News [Internet]. Available from: <http://sdtimes.com/>

13.

Slashdot [Internet]. Available from: <http://slashdot.org/>

14.

IT Jobs Watch, Tracking the IT Job Market [Internet]. Available from: <http://www.itjobswatch.co.uk/>

15.

Jones C. Software engineering best practices: lessons from successful projects in the top companies [Internet]. New York: McGraw-Hill; 2010. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780071621625>

16.

Humble J, Kim G, Forsgren N. Accelerate [Internet]. 1st edition. IT Revolution Press; 2018. Available from: https://learning.oreilly.com/library/view/accelerate/9781457191435/?sso_link=yes&sso_link_from=university-college-london

17.

Kim G, Humble J, Debois P, Willis J. (2017-18 onward) The DevOps Handbook: How to Create World-Class Agility, Reliability, & Security in Technology Organisations. IT Revolution; 2016.

18.

Schwartz M. (2017-18 onward) The Art of Business Value. IT Revolution; 2016.

19.

van Heesch U, Eloranta VP, Avgeriou P, Koskimies K, Harrison N. (2017-18 onward) Decision-Centric Architecture Reviews. IEEE Software. 2014 Jan;31(1):69–76. doi:10.1109/MS.2013.22

20.

Scott Keller, Mary Meaney. (2017-18 onward) High-performing teams: A timeless leadership topic | McKinsey & Company [Internet]. McKinsey Quarterly. Available from: <http://www.mckinsey.com/business-functions/organization/our-insights/high-performing-teams-a-timeless-leadership-topic?cid=other-eml-alt-mkq-mck-oth-1706&hlkid=c65b3bc65394c58bcd20b42734768fb&hctky=9780532&hdpid=78eda6de-3cf8-4fd5-8864-a05f38db34d5>

21.

Ekas L, Will S. Being Agile: Eleven Breakthrough Techniques to Keep You from "Waterfalling Backward" [Internet]. 1st edition. IBM Press; 2013. Available from: https://safarivjv.auth0.com/authorize?client_id=UtNi1m1IRXgzYFlwZrhSxell9EDRaL2v&response_type=code&connection=university-college-london&redirect_uri=https://www.safaribooksonline.com/complete/auth0-oauth2/&state=/library/view/-/9780133375640/?ar

22.

Lean-Agile Software Development: Achieving Enterprise Agility (Net Objectives Lean-Agile Series) [Internet]. Addison-Wesley Professional; 1 edition; 22 AD. Available from: <http://www.amazon.co.uk/Lean-Agile-Software-Development-Enterprise-Objectives-ebook/dp/B002ZN2BJI>

23.

Schmidt E, Rosenberg J, Eagle A, Page L. Google: how Google works. First trade paperback edition. New York: Grand Central Publishing.

24.

Cohn M. Succeeding with agile: software development using Scrum. The Addison-Wesley signature series. Upper Saddle River, N.J.: Addison-Wesley; 2010.

25.

Cohn M. User stories applied: for agile software development. The Addison-Wesley signature series. Boston [Mass.]: Addison-Wesley; 2004.

26.

Lester A. Project management, planning and control: managing engineering, construction and manufacturing projects to PMI, APM, and BSI standards [Internet]. 6th ed. Amsterdam: Butterworth-Heinemann; 2014. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780080983219>

27.

Humble J, Molesky J, O'Reilly B. Lean Enterprise: How High Performance Organizations Innovate at Scale (Lean (O'Reilly)) [Internet]. O'Reilly Media; 1 edition; 3 AD. Available from: <https://go.oreilly.com/university-college-london/library/view/-/9781491946527/?ar>

28.

Augustine S. Managing Agile Projects [Internet]. 1st edition. Prentice Hall; 2005. Available from: <https://go.oreilly.com/university-college-london/library/view/-/0131240714/?ar>

29.

Bass L, Clements P, Kazman R. Software architecture in practice. 2nd ed. SEI series in software engineering. Boston, MA: Addison-Wesley; 2003.

30.

Watts S, Humphrey. Reflections on management [Internet]. Upper Saddle River, NJ: Addison-Wesley; 2010. Available from: <https://go.oreilly.com/university-college-london/library/view/-/9780131385573/?ar>

31.

Andersen ES. Rethinking project management: an organisational perspective. Harlow: FT Prentice Hall; 2008.

32.

Jones C. Software engineering best practices: lessons from successful projects in the top companies [Internet]. New York: McGraw-Hill; 2010. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780071621625>

33.

Chapman CB, Ward S, Chapman CB. How to manage project opportunity and risk: why uncertainty management can be a much better approach than risk management [Internet]. 3rd ed. Chichester: Wiley; 2011. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9781119962632>

34.

Taleb N. Fooled by randomness: the hidden role of chance in life and in the markets. 2nd ed. London: Penguin; 2007.

35.

Beautiful code [Internet]. Beijing: O'Reilly; 2007. Available from: <https://go.oreilly.com/university-college-london/library/view/-/9780596510046/?ar>

36.

Kaplan RS, Norton DP. The balanced scorecard: translating strategy into action. Boston, Mass: Harvard Business School Press; 1996.

37.

Bernard Marr. Key performance indicators [Internet]. New York: Pearson Financial Times Pub.; 2012. Available from: <https://go.oreilly.com/university-college-london/library/view/-/9780273750116/?ar>

38.

Kahneman D. Thinking, fast and slow. London: Allen Lane; 2011.

39.

CMMI Product Team. CMMI for Development, Version 1.3 (Technical Report CMU/SEI-2010-TR-033) [Internet]. Pittsburgh: Software Engineering Institute, Carnegie Mellon University.; 2010. Available from:

<http://resources.sei.cmu.edu/library/asset-view.cfm?AssetID=9661>

40.

Strode DE, Huff SL, Hope B, Link S. Coordination in co-located agile software development projects. *Journal of Systems and Software*. 2012 Jun;85(6):1222–38.
doi:10.1016/j.jss.2012.02.017

41.

Collins G. Agile Project Management. In: *Project Management, Planning and Control* [Internet]. Elsevier; 2017. p. 523–38. Available from:
<https://linkinghub.elsevier.com/retrieve/pii/B9780080983240150012>
doi:10.1016/B978-0-08-098324-0.15001-2

42.

Lewis J, Fowler M. Microservices [Internet]. Available from:
<http://martinfowler.com/articles/microservices.html>

43.

Eklund U, Arts T. A Classification of Value for Software Architecture Decisions. In: Babar MA, Gorton I, editors. *Software Architecture*. Berlin, Heidelberg: Springer Berlin Heidelberg; 2010. p. 368–75. doi:10.1007/978-3-642-15114-9_30

44.

Brown N, Nord RL, Ozkaya I. Enabling Agility Through Architecture [Internet]. Software Engineering Institute; 2010. Available from:
<https://resources.sei.cmu.edu/library/asset-view.cfm?assetid=28851>

45.

Finkelstein A, Harman M, Mansouri SA, Ren J, Zhang Y. A search based approach to fairness analysis in requirement assignments to aid negotiation, mediation and decision making. *Requirements Engineering*. 2009 Dec;14(4):231–45.
doi:10.1007/s00766-009-0075-y

46.

October, 2014 - Insufficient data from Andrew Fryer - Site Home - TechNet Blogs [Internet]. Available from: <http://blogs.technet.com/b/andrew/archive/2014/10.aspx>

47.

NASA. Understanding Joint Confidence Level (JCL) at NASA [Internet]. Washington, D.C.: NASA. Available from: https://www.nasa.gov/pdf/724371main_76646-Risk_Analysis_Brochure-Final6.pdf

48.

NASA. Appendix J - Joint Cost and Schedule Confidence level (JCL) Analysis. In: NASA Cost Estimating Handbook Version 4.0 [Internet]. Washington, D.C.: National Aeronautics and Space Administration; 2015. p. J-1-45. Available from: <https://www.nasa.gov/offices/ocfo/nasa-cost-estimating-handbook-ceh>

49.

Ashrov A, Marron A, Weiss G, Wiener G. A use-case for behavioral programming: An architecture in JavaScript and Blockly for interactive applications with cross-cutting scenarios. Science of Computer Programming. 2015 Feb;98:268-92. doi:10.1016/j.scico.2014.01.017

50.

UI in an Agile Process - The Quick 'n' Dirty Approach in the Real World [Internet]. Available from: <http://www.infoq.com/presentations/UI-in-an-Agile-Process>

51.

Lastminute.com energises product discovery and development [Internet]. Available from: <http://thoughtworks.fileburst.com/clients/lastminute-casestudy.pdf>

52.

U.S. Department of Health & Human Services. <https://www.usability.gov/> [Internet]. Personas. Available from: <http://www.usability.gov/how-to-and-tools/methods/personas.html>

53.

Inclusive Design Toolkit Home [Internet]. Available from:
<http://www.inclusivedesigntoolkit.com/betterdesign2/>