

SE 4367, Software Testing

Homework #6, Security Testing

Write a 1-2 page summary of one of the following papers available in the References folder on eLearning.

Select any paper. Identify two or three key points made by the authors in your summary.

12-point font, double-spaced, Word document (or pdf).

Candidate Papers

- N. Antunes and M. Vieira, "Penetration Testing for Web Services," IEEE Computer, February 2014.
- B. Arkin, S. Stender, and G. McGraw, "Software Penetration Testing," IEEE Security & Privacy, January/February 2005.
- M. Dunn and L. Merkle, "Overview of Software Security Issues in Direct-Recording Electronic Voting Machines," *Proceedings of the 13th International Conference on Cyber Warfare and Security*, National Defense University, Washington, DC, March 2018.
- G. Klees, A. Ruef, B. Cooper, S. Wei, and M. Hicks, "Evaluating Fuzz Testing," *Proceedings of the 2018 ACM SIGSAC Conference on Computer and Communications Security*, Toronto, Canada, October 2018
- B. Potter and G. McGraw, "Software Security Testing," IEEE Security & Privacy, September/October 2004.
- H.H. Thompson, "Why Security Testing Is Hard," IEEE Security & Privacy, July/August 2003.
- G. Tian-Yang, S. Yin-sheng, and F. You-yuan, "Research on Software Security Testing," *World Academy of Science, Engineering, and Technology*, Vol. 70, 2010.

Grading Rubric

Less than half-a-page, -50 points

More than 2 pages, -20 points per page

At least two clearly stated points, 25 points each

Proper cites and references

- Citation not made in body of paper, -5 points each
- Citation not in references section, -5 points each
- Reference not adequately described to enable the reader to find, -5 points each

Templates for proper references:

- J. Smith, "Paper Title," Journal Name, Month, Year, pages.
- J. Doe, "Conference Paper Title," Conference Name, City, Month, Year, pages.
- E. Roe and A. Doe, *Book Title*, Publisher, Year.
- "Website Title," <URL: <http://xxx.com>>

Note that URLs are not sufficient citations, unless it's a web page (and thus not the most credible source material).

Missing the class, assignment, or your name at the beginning of your submission or in the filename, -5 points each