

CS305: Software Engineering

Homework Assignment 3 - No Silver Bullet

Due: 29/11/2020, 8 points

The objective of this assignment is to learn from a Turing Award winner that software creation is not easy. Along the way, you will also practice reading technical papers and trying to critique / pen your thoughts.

1 No Silver Bullet

Read the paper No Silver Bullet—Essence and Accident in Software Engineering written 34 years ago by *Fred P. Brooks, Jr.*.

- 1) Write a brief summary about the paper in your own words.
- 2) Pick any couple of paragraphs from the paper and answer the following questions: “Was he right?”, “Does it still hold true?”, “Did he miss anything?”

2 Git Setup and Submission

This is an individual assignment. You may discuss with your classmates but the writing needs to be in your own words. Submission must be done from your individual GitHub ID. The Git setup and submission instructions remain the same for all assignments. Please follow the instructions mentioned earlier in PA0 setup to create your local HA3 repository.

2.1 What you need to submit?

A file called nosilverbullet.txt containing two parts:

- first part containing summary in your own words
- second part mentioning the paragraphs that you picked and your answer to the 3 questions mentioned earlier. You may refer to paragraphs by mentioning the page number and starting few words of the paragraph/bulleted/italicized point. e.g. 6, Ada and other.. 6, nevertheless..

Each of the parts carries a weight of 4 points. One word answers such as ‘Yes/No’, ‘True/False’ for the second part will result in only one point being awarded (for the whole second part).