## Quiz 1

Due No due date Points 12 Questions 10 Available Feb 3 at 5:40pm - Feb 3 at 6:05pm 25 minutes Time Limit 20 Minutes

## Instructions

This quiz contains questions related to the material presented in the initial few lectures and No silver bullet article.

## **Attempt History**

	Attempt	Time	Score
LATEST	Attempt 1	16 minutes	10 out of 12

(!) Correct answers will be available Feb 21 at 12am - Mar 2 at 12am.

Score for this quiz: **10** out of 12 Submitted Feb 3 at 5:56pm This attempt took 16 minutes.

This quiz contains questions related to the material presented in the slides for the first few lectures and the No Silver Bullet article by Fred Brooks. If you have watched the lectures, reviewed the slides, and read the article, you should do fine!

Question 1	1 / 1 pts
Software engineers view a software system as consisting solely of the source code that is used to generate it.	
○ True	
False	
That's right. A software system is more than just its source code. Software engineers view a system as a collection of artifacts including requirements and design information, tests, guidelines, etc.	

Question 2	2 / 2 pts
Engineering is a sequence of well-defined, precisely-stated, sound steps, which follow a method or apply a technique based on some combina	tion of
identifying problems and attempting to solve them all at once	
theoretical results derived from a formal model	
rules of thumb based on experience	
mpirical adjustments for unmodeled phenomenon	
making guesses about scheduling and budgets and then doing whatever we want	
□ building bridges and hoping they don't fall down	

2 / 2 pts

Incorrect

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Question 4	1 / 1 pt
Fred Brooks defines a silver bullet for software engineering as five management techniques that together increase o as fast as we do now.	ur ability to generate software twice
○ True	
False	
That's right. According to Brooks, a silver bullet is a single technique that by itself will increase our ability to general magnitude (i.e. ten times faster).	rate software by an order of
Question 5	1 / 1 p
According to Brooks, a problem encountered in software engineering is either an essential difficulty or an accidental	difficulty.
® True	
○ False	
That's right. Brooks divides the problems facing software engineers into the essential and the accidental.	
Question 6	0 / 1 p
accidental difficulties account for 90% of the problems that occur during a software development project.	
® True	
○ False	
No, Brooks believes that essential difficulties dominate the software development process. Accidental difficulties but they do not typically present the major challenges encountered when developing a software system.	can sometimes be real problems
Question 7	1/1p
Conformity is an essential difficulty since it highlights the problem of having to deal with arbitrary change requests the levelopment.	at occur during soπware
® True	
○ False	
That's right. Conformity is the essential difficulty of having to deal with arbitrary change during a software develop	oment project.
Question 8	1/1 p
A compiler that takes three hours to compile your large software system is an example of an accidental diff	ficulty.
Answer 1:	
Answer 1: accidental	
Answer 1:  accidental  Question 9	0 / 1 p

Incorrect

Your software life cycle requires a code review at the end of each iteration and these reviews take so long that it pushes your schedule be each time. This is an example of an essential difficulty.			
Answer 1: essential			

Question 10	1 / 1 pts
A system passes all of its tests. We can confidently declare the system free of all faults.	
○ True	
False	
That's right. There may still be faults hiding in the system that haven't been executed or that are difficult to manifest and triggered a visible failure of the system.	d therefore have not yet

Quiz Score: 10 out of 12