Reading 01   # 10 Possible Points

8/25/2022

Attempt 1 ∨	◔ **IN PROGRESS**	💬 Add Comment
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Unlimited Attempts Allowed

∨ **Details**

Defining software quality

To begin this course, this reading introduces you to the broader ideas behind the topic of software quality, and provides some initial perspectives on why quality is hard to measure, and how software engineers have approached this tough measurement problem. You will also learn that there is no single, universal definition of software quality, and the concept is used with varying meanings in different situations.

To read

Each week of the semester, you will have a reading assignment to complete that includes a brief written response to two questions based on the reading. Each reading assignment is followed by a graded, weekly group discussion on Piazza.

- [required] Robert Glass. **The link between software quality and software maintenance (https://canvas.vt.edu/courses/156121/files/23790881/download?wrap=1)** . *Software Conflict: Essays on the Art and Science of Software Engineering*, Prentice-Hall, 1991, pp. 49-51.

- [required] Robert Glass. **Can you MANAGE quality into a software product? (https://canvas.vt.edu/courses/156121/files/23790882/download?wrap=1)** *Software Conflict: Essays on the Art and Science of Software Engineering*, Prentice-Hall, 1991, pp. 147-149.

- [required] Roger S. Pressman. **Chapter 14: Quality Concepts (https://canvas.vt.edu/courses/156121/files/23790876/download?wrap=1)** . *Software Engineering: A Practitioner's Approach*, 7th ed., McGraw-Hill, 2010, pp. 398-415 [can also use 8th edition].

To turn in

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(https://canvas.vt.edu/courses/156121/modules/items/2003684)	**(https://canvas.vt.edu/courses/156121/mc**

1. Robert Glass does not include all of the quality attributes that are in McCall's list of quality factors. Do you believe the extra attributes in McCall's list are necessary for "quality" software, or is Glass' definition sufficient? Justify your answer.

2. In Glass' definition, which single attribute do you believe is most important, and why?

Upload your PDF to this assignment here on Canvas.

Normally, the written responses to each week's readings will be due on **Thursday** nights. Normally, the Piazza discussion participation will be due on Sunday nights. Piazza discussion normally starts once the reading assignment is due (the reading assignment should prime you to think about the discussion, but the discussion is not intended to replace your personal thinking about the reading questions, and so occurs after the reading is due).

⌄ View Rubric

Reading Assignment Evaluation

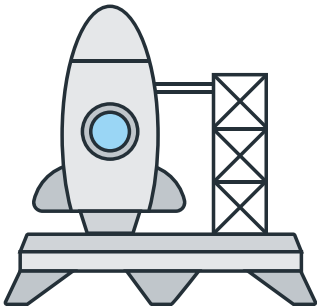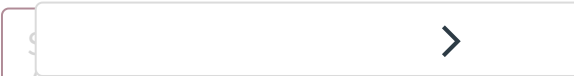| Criteria	Ratings				Pts
Question 1 view longer description	**5 pts** **Good: shows critical engagement with the readings assigned**	**3 pts** **Marginal: repeats content from the reading without additional insight**	**1 pts** **Minimal answer: does not show engagement with the reading**	**0 pts** **No answer**	/ 5 pts
Question 2 view longer description	**5 pts** **Good: shows critical engagement with the readings assigned**	**3 pts** **Marginal: repeats content from the reading without additional insight**	**1 pts** **Minimal answer: does not show engagement with the reading**	**0 pts** **No answer**	/ 5 pts
					Total Points: 0

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Assignment

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