

Introduction to Software Architecture Quality

- Video: What is Software Architecture? 4:00
- Reading: ISO/IEC 9126 Systems and software engineering - Assessment models 15:00
- Video: Architectural Styles 1:00
- Video: Views, Viewpoints, and Perspectives 2:00
- Video: Writing Scenarios 7:00

Peer-graded Assignment: Inspecting Quality through Scenarios 20

Review Your Peers' Comments Quality through Scenarios 20

Security as an Architectural Concern

- Video: Security Perspective 2:00
- Video: Attack Trees 2:00
- Video: Security Tools 1:00

Peer-graded Assignment: Assessing Quality through Scenarios

Reviews 0 complete

You've finished your peer reviews! Well done! You won't get any feedback that will help them. If you have time, please review one or two more. Every review you do helps another peer succeed in the course!

Your fellow learner has submitted their assignment anonymously and your review will be anonymous to them. All names are not visible to course instructors.

Assessing Quality through Scenarios

To Anonymous Learner July 1, 2025 0% (see 0% helpful responses)

PROBLET	ANSWER
Scenario is a problem that you can enough to be familiar with what a typical user may need to do. This website should not require the user to register to log up for an account or pay to use the site in any way. The website should also require the user to log up for knowledge, course materials, and/or to be able to complete registration, or any other registration process that requires the user to register.	Is the quality attribute clearly identified? ● 0 pts No ● 1 pt Yes
Select three quality attributes that are likely to be important when deciding a website architecture for the website you choose. You can use usability, security, performance, reliability, or any other reasonable quality attribute as the basis of your selection. Briefly explain the importance of each quality attribute in 4-6 sentences to the software scenario you selected.	Is the quality attribute explanation of importance present? ● 0 pts No ● 1 pt Yes
Then, for each selected quality attribute, write one scenario that would reasonably occur. This should include the scenario's context, the user, the goal, and the scenario's outcome. The scenario should be presented in the form of a narrative.	Is the quality attribute explanation of importance clear? ● 0 pts No ● 1 pt Yes
Write your first selection, discussion of importance, and scenario here.	Is the quality attribute explanation of importance reasonable? ● 0 pts No ● 1 pt Yes
PERFORMANCE Performance is about timing. Events, throughput, response, requests from users, or the passage of time, and the system must respond to them. One of the things that make performance important is the number of users, sources, and other parties. A performance scenario begins with a request for some service or thing at the system. Identifying the request requires resources to be processed. While this is happening, the system may be characterized as either periodic or aperiodic.	Is the quality attribute explanation of importance well-written (clear language, proper grammar, correct spelling)? ● 0 pts No ● 1 pt Yes
SCENARIOS Scenario - End user Situation - system features, use system efficiently Artifact - system Environment/ context ● The system shall automatically adjust the response monitoring agent. ● The system shall provide real-time report queries for the system. ● The system shall provide real-time report queries for the system.	Is the scenario context present? ● 0 pts No ● 1 pt Yes
Response	Is the scenario context clear? ● 0 pts No ● 1 pt Yes
	Is the scenario context reasonable? ● 0 pts No ● 1 pt Yes
	Is the scenario context well-written (clear language, proper grammar, correct spelling)? ● 0 pts No ● 1 pt Yes
	Does the scenario capture a measurement of the quality attribute identified? ● 0 pts No ● 1 pt Yes
	Does the scenario follow one of the formats discussed in the course? ● 0 pts No ● 1 pt Yes

PROBLET	ANSWER
Write your second selection, discussion of importance, and scenario here.	Is the quality attribute clearly identified? ● 0 pts No ● 1 pt Yes
USABILITY Usability is concerned with how easy it is for the user to accomplish related tasks and how the user can support the system's processes. It can be broken down into the following areas: ● Learning system features. If the user is efficient with particular system or a particular aspect of it, what can the system do to make the task of learning easier? ● Using system efficiently. What can the system do to make the user more efficient to use the system? ● Minimizing the impact of errors. What can the system do to make the user more efficient to use the system? ● Adapting the system to user needs. How can the user for the system (or the user) to make the user more efficient?	Is the quality attribute explanation of importance present? ● 0 pts No ● 1 pt Yes
SCENARIOS Scenario - End user Situation - system features, use system efficiently Artifact - system Environment/ context Response - Make to control the system operation Response - Measure	Is the quality attribute explanation of importance clear? ● 0 pts No ● 1 pt Yes
	Is the quality attribute explanation of importance reasonable? ● 0 pts No ● 1 pt Yes
	Is the quality attribute explanation of importance well-written (clear language, proper grammar, correct spelling)? ● 0 pts No ● 1 pt Yes
	Does the scenario capture a measurement of the quality attribute identified? ● 0 pts No ● 1 pt Yes
	Does the scenario follow one of the formats discussed in the course? ● 0 pts No ● 1 pt Yes

PROBLET	ANSWER
Write your third selection, discussion of importance, and scenario here.	Is the quality attribute clearly identified? ● 0 pts No ● 1 pt Yes
Reliability Reliability means that the software will not put data or computing systems at risk of unauthorized access. This is especially important for an e-commerce system because the system will store personal details together with payment card details and other system data. The system must be able to store personal and sensitive information, together with personal access to payment methods that can be used to control actual things.	Is the quality attribute explanation of importance present? ● 0 pts No ● 1 pt Yes
Scenario ● Scenario is an attacker that wants to steal sensitive information. ● Scenario is a system. When prompt to input information, the attacker tries different attacks through the system. ● Environment: the system is normally running. There is no special conditions on the system for the scenario to take place. ● Artifact: in particular the database of the system. ● Response: returning the query result. ● Response: measure the query result should only contain a single row, in the one specific for the user.	Is the quality attribute explanation of importance clear? ● 0 pts No ● 1 pt Yes
	Is the quality attribute explanation of importance reasonable? ● 0 pts No ● 1 pt Yes
	Is the quality attribute explanation of importance well-written (clear language, proper grammar, correct spelling)? ● 0 pts No ● 1 pt Yes
	Does the scenario capture a measurement of the quality attribute identified? ● 0 pts No ● 1 pt Yes
	Does the scenario follow one of the formats discussed in the course? ● 0 pts No ● 1 pt Yes

OVERALL ASSIGNMENT FEEDBACK

Is the website selected publicly accessible?
● 0 pts No
● 10 pts Yes

Is the website selected a real website with a clear context for the scenario, it is not just the submitting learner's personal website.
● 0 pts No
● 10 pts Yes

Submit Review

Comments

Comments left for this learner are visible only to that learner and the person who left the comment.

Share your thoughts...