CS03

3040: Which quality attribute is directly related to a system's maintainability?
Question 1Answer

a.
Modifiability

b.
Usability

c.
Scalability

d.
Performance

3035: The degree to which a system can be tested to verify its correctness is referred to as:
Question 2Answer

a.
Scalability

b.
Usability

c.
Testability

d.
Modifiability

3031: Which quality attribute refers to a system's ability to interact effectively with other systems?
Question 3Answer

a.
Performance

b.
Usability

c.
Interoperability

d.
Scalability

3002 Which design principle is most closely associated with improving a system's modifiability?

Question 4Answer

a.

Centralized control mechanisms.

b.

Tight coupling between components.

c.

High cohesion and low coupling.

d.

Rigid system boundaries.

3033: Which quality attribute focuses on how easily a system can be used by end-users?

Question 5Answer

a.

Usability

b.

Testability

c.

Performance

d.

Interoperability

3041: Testability can be improved by:

Question 6Answer

a.

Simplifying the system design

b.

Increasing system complexity

c.

Reducing code comments

d.

Adding more features

3025: Usability. Usability is primarily concerned with:
Question 7Answer
a.
The system's internal architecture and design.
b.
The system's efficiency and effectiveness.
c.
The system's security and privacy features.
d.
The system's ability to handle large amounts of data.

Feedback

The correct answer is: The system's efficiency and effectiveness.

3008 Which quality attribute is most closely related to a system's ability to adapt to changing requirements?
Question 8Answer
a.
Scalability
b.
Interoperability
c.
Testability
d.
Modifiability

Feedback

The correct answer is: Modifiability

3039: To improve a system's interoperability, one should focus on:
Question 9Answer
a.
Enhancing user experience
b.
Increasing system capacity
c.
Optimizing code efficiency
d.
Standardizing interfaces

Feedback

The correct answer is: Standardizing interfaces

3043: Scalability can be achieved through:
Question 10Answer
a.
Reducing system functionality
b.
Using a monolithic architecture
c.
Increasing hardware resources
d.
Implementing load balancing

Feedback

The correct answer is: Implementing load balancing