Module I Quiz - Due April 9, 2020

Due Apr 9 at 11:59pm   **Points** 20   **Questions** 20   **Available** after Feb 8 at 4:20pm
Time Limit None

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	267 minutes	20 out of 20

⚠ Correct answers are hidden.

Submitted Apr 5 at 10:41pm

Question 1	1 / 1 pts

Having a software architecture is important to the successful development of a software system.

- ⦿ True

- ◯ False

Question 2	1 / 1 pts

Architecture is an abstraction of the system in order to avoid dealing with the system complexity all the time.

- ⦿ True
- ○ False

Question 3

1 / 1 pts

All software systems should document each type of structure.

- ○ True
- ⦿ False

Question 4

1 / 1 pts

Architecture has a strong connection to a system's quality attributes.

- ⦿ True

○ False

Question 5

1 / 1 pts

Only users of the software system are concerned with different characteristics of the system that are affected by architecture.

○ True

◉ False

Question 6

1 / 1 pts

Architecture is something that can be reused for systems with similar requirements.

◉ True

○ False

Question 7

1 / 1 pts

Architecture represents the earliest design decisions about a system.

- ◉ True
- ○ False

Question 8

1 / 1 pts

Architecture can help to improve the productivity of development teams by creating modules with well defined interfaces, so that development teams can work independently on their modules.

- ◉ True
- ○ False

Question 9

1 / 1 pts

A requirement such as "The system shall be easy to use" is a requirement that is testable.

○ True

⦿ False

Question 10

1 / 1 pts

There exist certain trade-offs between different quality attributes of a system (i.e. increasing one quality attribute could have a potential negative effect on another).

⦿ True

○ False

Question 11

1 / 1 pts

Which type of architectural structures are known as runtime structures?

○ Allocation Structures

⦿ Component-and-Connector Structures

○ Module Structures

○ Static Structures

Question 12

1 / 1 pts

What category of structures would be used to answer the following question: "What processor does each software element execute on?"

⦿ Allocation Structures

○ Static Structures

○ Component-and-Connector Structures

○ Module Structures

Question 13

1 / 1 pts

Which category of structures is concerned with how the software is partitioned into implementation units?

○ Component-and-Connector Structures

○ Allocation Structures

○ Concurrency Structures

◉ Module Structures

Question 14

1 / 1 pts

What type of structure can help identify where resource contention may exist?

○ Class

○ Layers

○ Data Model

◉ Concurrency

Question 15

1 / 1 pts

Which architectural pattern is one in which a module can only use services of the module immediately below it?

○ Client-Server Pattern

○ Platform Pattern

◉ Layered Pattern

○ Shared-Data Pattern

Question 16

1 / 1 pts

What type of change in a system is the most costly?

○ Nonlocal Change

○ Local Change

◉ Architectural Change

Question 17

1 / 1 pts

Which context is concerned with being able to predict a system's qualities by studying the architecture?

○ Project Life Cycle

○ Business

◉ Technical

○ Professional

Question 18

1 / 1 pts

Who can be considered a stakeholder of a software system?

○ Developer

○ Marketing Representative

○ End User

◉ All of the Above

Question 19

1 / 1 pts

Which process model focuses on frequenty delivery of working software, close collaboration between developers and customers, and adapting to changing circumstances?

○ ● Agile

○ Waterfall

○ Model-Driven Development

○ Iterative

Question 20

1 / 1 pts

Which context is concerned with architects needing communication, negotiation, and diplomatic skills?

○ Business

○ ● Professional

○ Technical

○ Project Life Cycle