

## Software Architectures (Merged - SEZG651/SSZG653)(S2-21)

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### Question 1

Answer saved

Marked out of 1.00

Flag question

Which of the following represents a Hierarchical organization?

Select one:

- ☐ a. Client-Server
- ☒ b. Layered Structure
- ☐ c. Decomposition
- ☐ d. Deployment

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### Question 2

Answer saved

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Flag question

What approach must be followed to test a hypothesis?

Select one:

- ☐ a. By adjusting the design
- ☒ b. By remembering ASRs
- ☐ c. By declaring the additional requirements as non-satisfiable
- ☐ d. By using the analysis techniques already covered

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### Question 3

Answer saved

Marked out of 1.00

Flag question

110 What among the following belongs to Error avoidance?

Select one:

- ☐ a. Can the user remember how to do system operations between users of the system
- ☒ b. Does the system anticipate and prevent common user error?
- ☐ c. How quick is it for the user to learn to use the system's interface
- ☐ d. Does the system respond with appropriate speed to a user request.

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### Question 4

Answer saved

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Flag question

Which of the following can be considered regarding client and server?

Select one:

- ☒ a. Client and server is an architectural style
- ☐ b. Client and server may be considered as an architectural style
- ☐ c. None of the mentioned
- ☐ d. Client and server is not an architectural style

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### Question 5

Answer saved

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Flag question

Which requirements can affect binding time decisions out of the following mentioned?

Select one:

- ☐ a. Configurations
- ☒ b. All of the above
- ☐ c. Portability
- ☐ d. Regional distinctions

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### Question 6

Answer saved

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Flag question

112 QAW(Quality Attribute Workshop) is focused on:

Select one:

- ☐ a. Component level concerns
- ☐ b. Reference model level concerns
- ☐ c. None of the above
- ☒ d. System level concerns

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### Question 7

Answer saved

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Flag question

Which of these is not a modifiability tactic

Select one:

- ☐ a. Factoring common service
- ☐ b. Restrict Communication Paths and dependencies
- ☒ c. Maintain multiple copies of data/ computation
- ☐ d. Publish-subscribe

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### Question 8

Answer saved

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Flag question

105 Which of the following can be considered regarding client and server?

Select one:

- ☒ a. Client and server is an architectural style
- ☐ b. Client and server may be considered as an architectural style
- ☐ c. None of the mentioned
- ☐ d. Client and server is not an architectural style

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### Question 9

Answer saved

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Flag question

128 A running process resets the timer periodically and it starts counting again. If the timer is not reset it reaches a high enough count to trigger an alarm. A message is passed to an appropriate location for corrective action. This is a tactics for:

Select one:

- ☐ a. Fault Prevention
- ☒ b. Fault Detection
- ☐ c. Redundancy
- ☐ d. Error masking

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### Question 10

Answer saved

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Flag question

Which of the following is incorrect?

Select one:

- ☒ a. All of the mentioned
- ☐ b. A reference architecture is the mapping of that functionality onto system decomposition
- ☐ c. None of the mentioned
- ☐ d. A reference model divides the functionality

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### Question 11

Answer saved

Marked out of 1.00

Flag question

102 Which of the following is incorrect?

Select one:

- ☒ a. All of the mentioned
- ☐ b. A reference architecture is the mapping of that functionality onto system decomposition
- ☐ c. None of the mentioned
- ☐ d. A reference model divides the functionality

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### Question 12

Answer saved

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Flag question

One of the Society Business goals is:

Select one:

- ☐ a. Expand market share
- ☐ b. Maximum Profit in short time
- ☐ c. Run a stable organization
- ☒ d. Operate effectively within legal environment

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### Question 13

Answer saved

Marked out of 1.00

Flag question

107 Ability to "continuously provide" correct service without failure means

Select one:

- ☐ a. Performance
- ☐ b. Usability
- ☐ c. Availability
- ☒ d. Reliability

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### Question 14

Answer saved

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Flag question

Which of these is not structure describing an Architecture

Select one:

- ☒ a. Activity Structure
- ☐ b. Module Structure
- ☐ c. Component-and-connector structures
- ☐ d. Allocation structures

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### Question 15

Answer saved

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Flag question

115 Designing the architecture is a matter of:

Select one:

- ☐ a. Determining the ASRs
- ☐ b. Decompose an element to satisfy the ASRs
- ☐ c. Iterating until requirements are satisfied
- ☒ d. All of the given choices.

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### Question 16

Answer saved

Marked out of 1.00

Flag question

129 The full form of POFOD is

Select one:

- ☒ a. Probability Of Failure On Demand
- ☐ b. Performance of Features of Design Decisions
- ☐ c. Performance of Fault of Detection
- ☐ d. Portability of Factory on Demand

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### Question 17

Answer saved

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Flag question

121 Which of these statements is not true about software architecture:

Select one:

- ☐ a. Software Architecture is a description at a higher level of abstraction than objects and lines of codes
- ☐ b. Software Architecture is a blueprint of a software system that helps stakeholders to understand how the system would be once it is implemented
- ☐ c. Software Architecture helps Stakeholders understand and reason about without getting lost into a sea of details
- ☒ d. Software Architecture is a detailed description of the Software System in terms of its building block

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### Question 18

Answer saved

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Flag question

124 Which of the following does not appear on a diagram describing the Windows Architecture?

Select one:

- ☐ a. DLLs
- ☐ b. User Mode
- ☐ c. . Kernel Mode
- ☒ d. SQLite

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### Question 19

Answer saved

Marked out of 1.00

Flag question

### The main characteristics of "Security" is not

Select one:

- ☐ a. Confidentiality
- ☐ b. Integrity
- ☒ c. Genuinty
- ☐ d. Availability

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### Question 20

Answer saved

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Flag question

### 111 Which requirements can affect binding time decisions out of the following mentioned?

Select one:

- ☐ a. Configurations
- ☐ b. Portability
- ☐ c. Regional distinctions
- ☒ d. All of the choices given

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### Question 21

Answer saved

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Flag question

What among the following belongs to Error avoidance?

Select one:

- ☒ a. Does the system anticipate and prevent common user error?
- ☐ b. Can the user remember how to do system operations between users of the system
- ☐ c. How quick is it for the user to learn to use the system's interface
- ☐ d. Does the system respond with appropriate speed to a user request.

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### Question 22

Answer saved

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Flag question

Server periodically sends a signal Listeners listen for such a signal. Failure of the signal means that the server is dead. This signal is called a:

Select one:

- ☐ a. Echo
- ☐ b. Ping
- ☒ c. Heartbeat
- ☐ d. Exception

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Finish at Answer saved

### Question 23

Answer saved

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Flag question

Which of the following is not related to Resource Mgmt of Performance

Select one:

- ☐ a. process/thread models
- ☐ b. maintaining multiple copies of key data would benefit performance
- ☐ c. system elements that need to be aware of, and manage, time and other performance-critical resources
- ☒ d. prioritization of resources

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### Question 24

Answer saved

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Flag question

126 Which of the following represents a Hierarchical organization?

Select one:

- ☐ a. Deployment
- ☒ b. Layered Structure
- ☐ c. Client-Server
- ☐ d. Decomposition

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### Question 25

Answer saved

Marked out of 1.00

Flag question

QAW(Quality Attribute Workshop) is focused on:

Select one:

- ☒ a. System level concerns
- ☐ b. Reference model level concerns
- ☐ c. Component level concerns
- ☐ d. None of the above

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