



# Grand Quiz Spring 2021

Subject Code CS504 lecture 1 to 22

Solved By Riz Mughal



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<https://www.facebook.com/groups/923887914750307>



<https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists>

## Dear Viewers:

I'm providing 100% correct quiz solution. You can visit my YouTube channel and get more information about all other subjects' quizzes and final year project (CS619).


RIZ MUGHAL (SQA ENGINEER)

Question # 1 of 30 ( Start time: 09:36:28 AM, 27 June 2021 )

Tot

\_\_\_\_\_ is a technique in which we construct a model of an entity based upon its essential characteristics and ignore the inessential details.


Select the correct option

- |                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | Polymorphism |
| <input checked="" type="radio"/> | Abstraction  |
| <input type="radio"/>            | Aggregation  |
| <input type="radio"/>            | Inheritance  |
- 

Question # 2 of 30 ( Start time: 09:36:56 AM, 27 June 2021 )

An attribute that varies over time, e.g., price of an item, should be replaced by a/an \_\_\_\_\_ with an effective date and value

Select the correct option


- |                                  |                            |
|----------------------------------|----------------------------|
| <input checked="" type="radio"/> | Additional Class           |
| <input type="radio"/>            | Structure                  |
| <input type="radio"/>            | Interface                  |
| <input type="radio"/>            | Additional Method/Function |
- 

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Question # 3 of 30 ( Start time: 09:37:36 AM, 27 June 2021 )

To construct a system model the engineer should consider one of the following restraining factors?

Select the correct option


- |                                  |                             |
|----------------------------------|-----------------------------|
| <input type="radio"/>            | schedule and milestones     |
| <input type="radio"/>            | budget and expenses         |
| <input type="radio"/>            | data objects and operations |
| <input checked="" type="radio"/> | assumptions and constraints |
- 

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Question # 4 of 30 ( Start time: 09:37:52 AM, 27 June 2021 )

In use case diagram, an ellipse signifies a(n):

Select the correct option

- |                                  |                 |
|----------------------------------|-----------------|
| <input type="radio"/>            | system boundary |
| <input type="radio"/>            | class           |
| <input type="radio"/>            | actor           |
| <input checked="" type="radio"/> | use case        |
- 

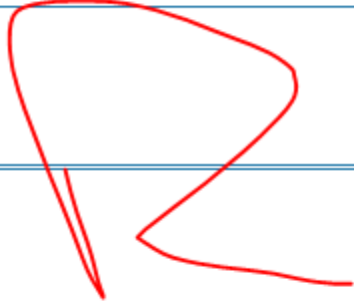
Question # 5 of 30 ( Start time: 09:38:10 AM, 27 June 2021 )

Total Ma

A software requirement document describes all the \_\_\_\_\_ provided by the system along with the constraints under which it must operate.

Select the correct option

<input type="radio"/>	Conditions
<input type="radio"/>	Processes
<input checked="" type="radio"/>	Services
<input type="radio"/>	Events




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Question # 6 of 30 ( Start time: 09:38:27 AM, 27 June 2021 )

UML is a language for \_\_\_\_\_


Select the correct option

- |                                  |                        |
|----------------------------------|------------------------|
| <input type="radio"/>            | Low-level Programming  |
| <input type="radio"/>            | High-level Programming |
| <input checked="" type="radio"/> | Modeling and Design    |
| <input type="radio"/>            | Creating diagrams only |
- 

Question # 7 of 30 ( Start time: 09:38:44 AM, 27 June 2021 )

Which elements of business processing engineering are the responsibilities of the software engineer?

Select the correct option

- |                                  |                               |
|----------------------------------|-------------------------------|
| <input type="radio"/>            | business area analysis        |
| <input type="radio"/>            | product planning              |
| <input checked="" type="radio"/> | business system design        |
| <input type="radio"/>            | information strategy planning |
- 



Question # 8 of 30 ( Start time: 09:39:18 AM, 27 June 2021 )

Identify the TRUE statement:

Select the correct option

- Software with Functional oriented design does not fulfill non functional requirements.
- Function Oriented design does not lead to an efficient product.
- Normally Object Oriented design is more maintainable than functional oriented.
- Object Oriented design can not implement "Separation of concerns" strategy




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Question # 9 of 30 ( Start time: 09:39:44 AM, 27 June 2021 )

Specialization means:

Select the correct option

- |                                  |   |
|----------------------------------|---|
| <input type="radio"/>            | Calling the same method with object of child object |
| <input type="radio"/>            | Abstraction   |
| <input type="radio"/>            | Hiding the data                                     |
| <input checked="" type="radio"/> | Creating new subclasses from an existing class      |
- 

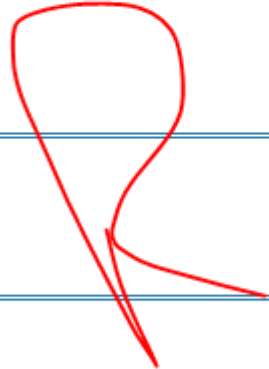
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Question # 10 of 30 ( Start time: 09:40:00 AM, 27 June 2021 )

In case of \_\_\_\_\_ approach, decomposition of a problem revolves around data.

Select the correct option

<input checked="" type="radio"/>	Object-oriented
<input type="radio"/>	Action-oriented
<input type="radio"/>	Event-oriented
<input type="radio"/>	Process-oriented




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Question # 11 of 30 ( Start time: 09:40:15 AM, 27 June 2021 )

An architectural style encompasses which of the following elements?

Select the correct option

- |                                  |  |
|----------------------------------|--|
| <input type="radio"/>            | Semantic Models and Constraints                    |
| <input type="radio"/>            | Set of Components and Semantic Models              |
| <input checked="" type="radio"/> | Constraints, Set of Components and Semantic Models |
| <input type="radio"/>            | Set of Components and Constraints                  |
- 


Question # 12 of 30 ( Start time: 09:40:31 AM, 27 June 2021 )

Total

In "Railway ticket reservation system" the roles such as inquiry, reservation, ticketing and cancellation are to be performed by the user called:

Select the correct option

<input type="radio"/>	System analyst
<input type="radio"/>	System designer
<input checked="" type="radio"/>	Passenger
<input type="radio"/>	System developer




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Question # 13 of 30 ( Start time: 09:40:46 AM, 27 June 2021 )

There are \_\_\_\_\_most important characteristics of an object.

Select the correct option

<input type="radio"/>	Two
<input type="radio"/>	Four
<input checked="" type="radio"/>	Three
<input type="radio"/>	Six




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Question # 14 of 30 ( Start time: 09:41:03 AM, 27 June 2021 )

Which one is not a part of Software Development phase ?

Select the correct option

<input type="radio"/>	Construction
<input type="radio"/>	Project Vision
<input type="radio"/>	Definition
<input checked="" type="radio"/>	Scope



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Question # 15 of 30 ( Start time: 09:41:23 AM, 27 June 2021 )

Which one of the following is the external quality of a software product?

Select the correct option


<input type="radio"/>	Cohesion
<input checked="" type="radio"/>	Correctness
<input type="radio"/>	Low Coupling
<input type="radio"/>	Concision



Question # 16 of 30 ( Start time: 09:41:55 AM, 27 June 2021 )

The process of utilizing our knowledge of computer science in effective production of software systems is called \_\_\_\_


Select the correct option

- |                                  |                        |
|----------------------------------|------------------------|
| <input type="radio"/>            | Electrical Engineering |
| <input type="radio"/>            | Chemical Engineering   |
| <input checked="" type="radio"/> | Software Engineering   |
| <input type="radio"/>            | Computer Engineering   |
- 

## Question # 17 of 30 ( Start time: 09:42:11 AM, 27 June 2021 )

The context diagram is used as the top level abstraction in a \_\_\_\_\_ developed according to principles of structured analysis.

## Select the correct option

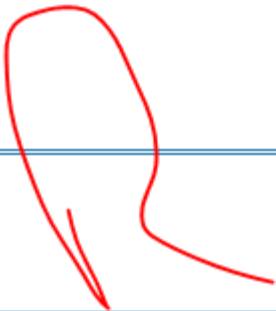
- |                                  |                          |
|----------------------------------|--------------------------|
| <input checked="" type="radio"/> | Dataflow diagram         |
| <input type="radio"/>            | State Transition Diagram |
| <input type="radio"/>            | Activity Diagram         |
| <input type="radio"/>            | USe Case Diagram         |
- 

Question # 18 of 30 ( Start time: 09:42:36 AM, 27 June 2021 )

Total

While establishing the services for an object, the goal is to keep data and action together for \_\_\_\_\_ coupling and \_\_\_\_\_ cohesion.

Select the correct option

- |                                  |                |
|----------------------------------|----------------|
| <input type="radio"/>            | Higher, Lower  |
| <input checked="" type="radio"/> | Lower, Higher  |
| <input type="radio"/>            | Lower, Lower   |
| <input type="radio"/>            | Higher, Higher |
- 

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Question # 19 of 30 ( Start time: 09:42:52 AM, 27 June 2021 )

Software architecture must address \_\_\_\_\_ requirements of a software system.

Select the correct option

- |                                  |                                    |
|----------------------------------|------------------------------------|
| <input checked="" type="radio"/> | Both Functional and Non-Functional |
| <input type="radio"/>            | Functional                         |
| <input type="radio"/>            | Non-Functional                     |
| <input type="radio"/>            | User Interface Requirements        |

Click to

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Question # 20 of 30 ( Start time: 09:43:07 AM, 27 June 2021 )

\_\_\_\_\_ has become a standard notation for object oriented system modeling.

Select the correct option

<input checked="" type="radio"/>	UML
<input type="radio"/>	Java
<input type="radio"/>	OCL (object Constraint Language)
<input type="radio"/>	C++


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Question # 21 of 30 ( Start time: 09:43:24 AM, 27 June 2021 )

Software Engineering is the combination of tools, techniques and \_\_\_\_\_.

Select the correct option

<input type="radio"/>	Testing
<input type="radio"/>	Design
<input type="radio"/>	Maintenance
<input checked="" type="radio"/>	Processes



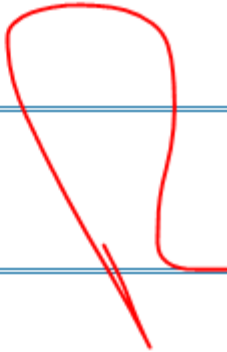
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Question # 22 of 30 ( Start time: 09:43:41 AM, 27 June 2021 )

The \_\_\_\_\_ relationship is kind of a generalization specialization relationship.

Select the correct option

<input checked="" type="radio"/>	Extends
<input type="radio"/>	Uses
<input type="radio"/>	Binary
<input type="radio"/>	Bit-Byte

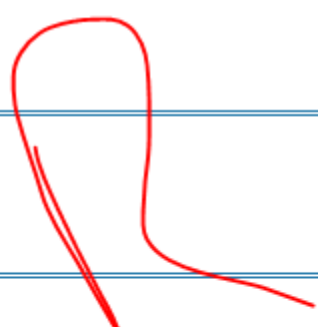


Question # 23 of 30 ( Start time: 09:43:59 AM, 27 June 2021 )

Total Marks:

In UML based Object Oriented model of a system, a composition relation between two objects is shown by a \_\_\_\_\_ sign on the Whole side of a relation line.

Select the correct option

- A half arrowhead
  - An unfilled diamond
  - A dot
  - A filled diamond
- 




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Question # 24 of 30 ( Start time: 09:44:17 AM, 27 June 2021 )

Return values in synchronous messages are:

Select the correct option


- |                                  |                                       |
|----------------------------------|---------------------------------------|
| <input type="radio"/>            | represented by solid lines            |
| <input type="radio"/>            | Compulsory                            |
| <input type="radio"/>            | Not used at all                       |
| <input checked="" type="radio"/> | May not used when response is obvious |
- 

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Question # 25 of 30 ( Start time: 09:44:32 AM, 27 June 2021 )

\_\_\_\_\_ requirements are often called product features.

Select the correct option


- |                                  |                 |
|----------------------------------|-----------------|
| <input type="radio"/>            | Developer       |
| <input type="radio"/>            | User            |
| <input checked="" type="radio"/> | Functional      |
| <input type="radio"/>            | Non- Functional |
- 

Question # 26 of 30 ( Start time: 09:44:48 AM, 27 June 2021 )

Total Ma

In multiprocessing applications, different execution threads may pass information to one another by sending \_\_\_\_\_ to each other.

Select the correct option

- |                                  |                       |
|----------------------------------|-----------------------|
| <input type="radio"/>            | Synchronous messages  |
| <input type="radio"/>            | Interrupt calls       |
| <input checked="" type="radio"/> | Asynchronous messages |
| <input type="radio"/>            | System calls          |
- 


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Question # 27 of 30 ( Start time: 09:45:05 AM, 27 June 2021 )

The Use case diagram shows that which \_\_\_\_\_ interact with each use case.

Select the correct option

<input checked="" type="radio"/>	Actor
<input type="radio"/>	Relation
<input type="radio"/>	Component
<input type="radio"/>	Use case

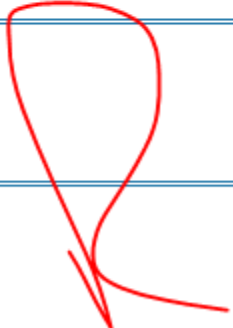


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Question # 28 of 30 ( Start time: 09:45:22 AM, 27 June 2021 )

If Cat is derived from Mammal Class, and Mammal is derived from Animal Class, then:

Select the correct option


- |                                  |  |
|----------------------------------|--|
| <input type="radio"/>            | Cat will not inherit Animal's functions and data |
| <input type="radio"/>            | Cat is allowed to access only the Mammal's Class |
| <input type="radio"/>            | Cat will not be able to access any class         |
| <input checked="" type="radio"/> | Cat will inherit Animal's functions and data     |
- 

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Question # 29 of 30 ( Start time: 09:45:38 AM, 27 June 2021 )

Coupling is a measure of \_\_\_\_\_ of a module or component.

Select the correct option


- |                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | Aggregation  |
| <input checked="" type="radio"/> | Independence |
| <input type="radio"/>            | Dependence   |
| <input type="radio"/>            | Composition  |
- 

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Question # 30 of 30 ( Start time: 09:45:53 AM, 27 June 2021 )

Normally a System will be more easy to modify if its modules have:

Select the correct option

- |                                  |                                  |
|----------------------------------|----------------------------------|
| <input checked="" type="radio"/> | Low coupling and High cohesion.  |
| <input type="radio"/>            | High coupling and Low cohesion.  |
| <input type="radio"/>            | High coupling and High cohesion. |
| <input type="radio"/>            | Low coupling and Low Cohesion.   |
- 



# Thank you for watching

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RIZ MUGHAL (SQA ENGINEER)







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