ISQI.CPSA-FL.v2022-02-03.q30

Exam Code:	CPSA-FL
Exam Name:	ISAQB Certified Professional for Software Architecture - Foundation Level
Certification Provider:	ISQI
Free Question Number:	30
Version:	v2022-02-03
# of views:	1140
# of Questions views:	300
https://www.exam-tests.com/CPSA-FL-exam/ISQI.CPSA-FL.v2022-02-03.q30.html	

NEW QUESTION: 1
What are the four key terms in common definitions of software architecture? (Choose four.)
A. Functionality
B. Building Blocks
C. Interfaces
D. Relationships
E. Source code
F. Components
G. Requirements
Answer: B,D,F,G (LEAVE A REPLY)

NEW QUESTION: 2
Which elements should be defined in the white-box view of a software building block 'foo'? Select the three most important elements. P-Question: From the following 6 answers select 3 that Fit best.
A. The sizes (in lines of code) of the internal building blocks of foo'
B. The algorithms of the internal building blocks of foo'
C. The internal building blocks of foo'
D. The legal contracts with the suppliers of the internal building blocks of 'foo'
E. The rationale for the decomposition of the building block
F. The dependencies of the internal building blocks of foo'
Answer: C,E,F (LEAVE A REPLY)

NEW QUESTION: 3

You want to demonstrate to colleagues that certain building blocks are suitable for the implementation of a use-case scenario Which of the following UML diagrams is best suited for this? A-Question: Choose one answer

A. Activity diagram

B. Sequence diagram

C. Use-case diagram

D. Class diagram

Answer: A (LEAVE A REPLY)

NEW QUESTION: 4

Which of the following statements about the coupling between building blocks are correct? (Assign all answers.)

true	false	
○	○	A) A high degree of coupling of a building block reduces its reusability.
○	○	B) Low coupling of a building block improves the ability to meet functional requirements.
○	○	C) Low cohesion often leads to high coupling.
○	○	D) Loose coupling often leads to less effort for making changes.
○	○	E) For call dependencies, the degree of coupling is independent of the direction of the call.
○	○	F) In object-oriented programming languages, inheritance reduces coupling.

Answer:

true	false	
○	○	A) A high degree of coupling of a building block reduces its reusability.
○	○	B) Low coupling of a building block improves the ability to meet functional requirements.
○	○	C) Low cohesion often leads to high coupling.
○	○	D) Loose coupling often leads to less effort for making changes.
○	○	E) For call dependencies, the degree of coupling is independent of the direction of the call.
○	○	F) In object-oriented programming languages, inheritance reduces coupling.

true false

○ ○ A) A high degree of coupling of a building block reduces its reusability.

○ ○ B) Low coupling of a building block improves the ability to meet functional requirements.

○ ○ C) Low cohesion often leads to high coupling.

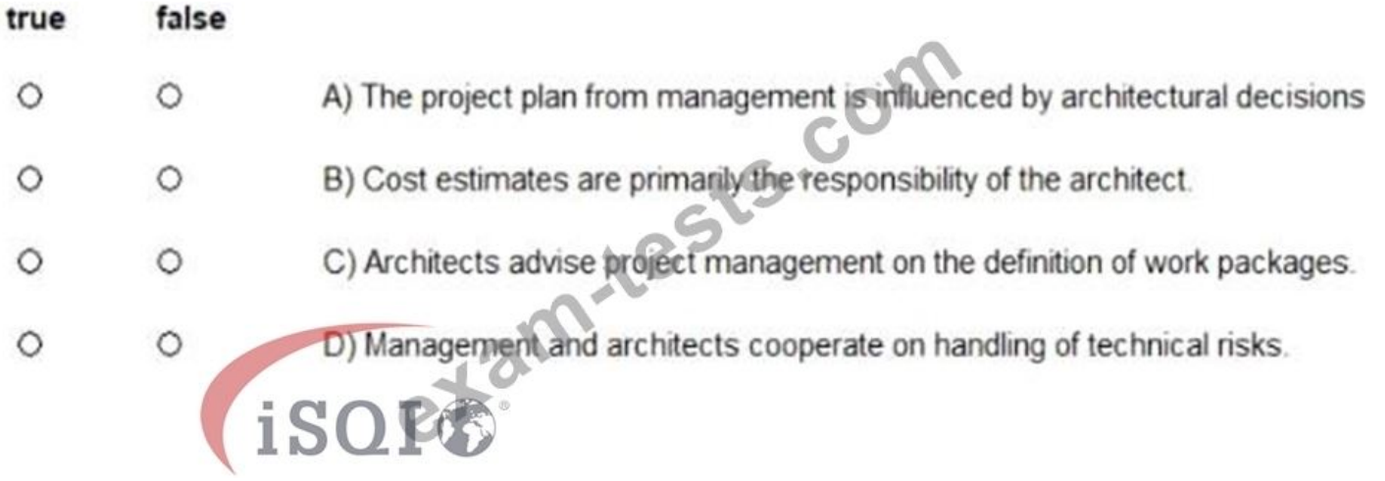
○ ○ D) Loose coupling often leads to less effort for making changes.

○ ○ E) For call dependencies, the degree of coupling is independent of the direction of the ca

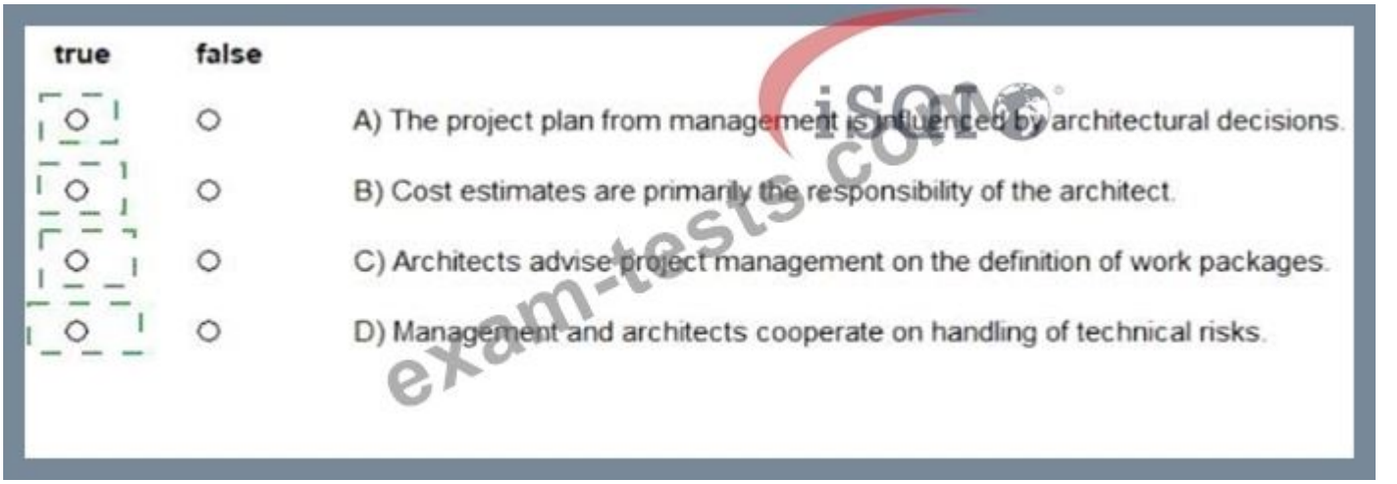
○ ○ F) In object-oriented programming languages, inheritance reduces coupling.

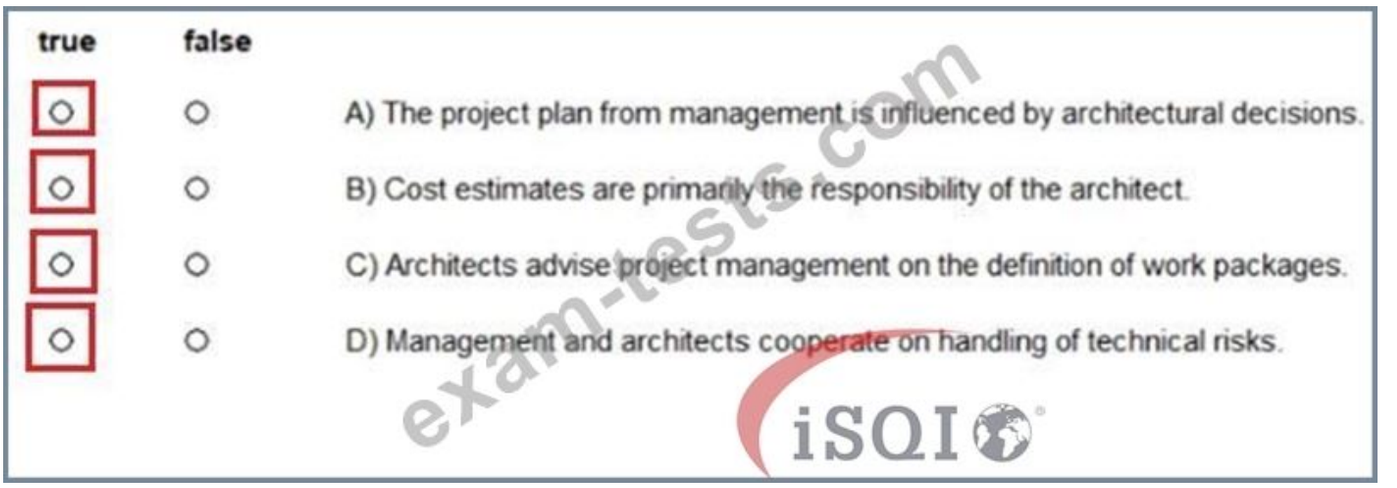
NEW QUESTION: 5
Choose the most desirable characteristics of interfaces. (Choose three.)
A. Scalable to many consumers
B. Hard to misuse
C. Remotely callable
D. Easy to extend
E. As few parameters as possible
F. Clear descriptions of assertions and prerequisites
G. Geared towards the capabilities of the provider
Answer: (SHOW ANSWER)

NEW QUESTION: 6
How does management and architects work together? Decide which statements are true and which are false.
K-Question. Assign all answers



Answer:





NEW QUESTION: 7

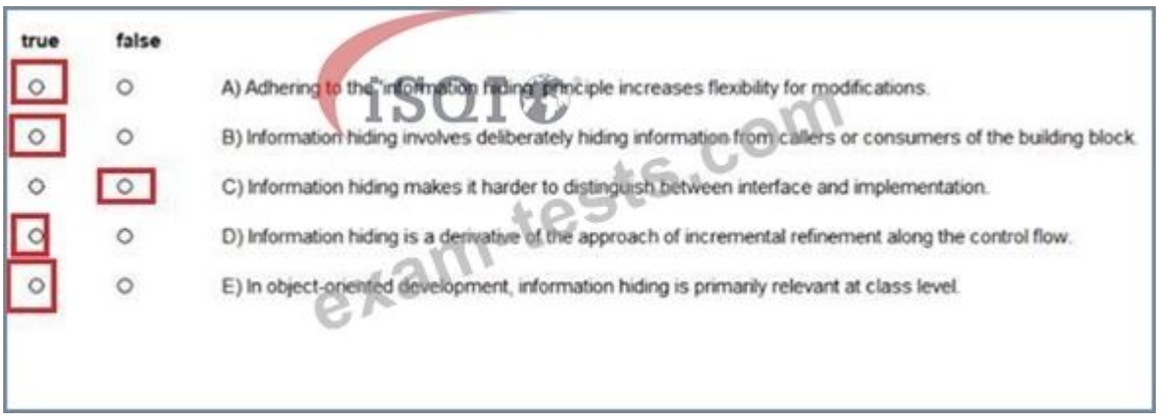
Which of the following statements regarding the design principle 'information hiding' are true and which are false? K-Question. Assign all answers

true	false	
○	○	A) Adhering to the 'information hiding' principle increases flexibility for modifications.
○	○	B) Information hiding involves deliberately hiding information from callers or consumers of the building block.
○	○	C) Information hiding makes it harder to distinguish between interface and implementation.
○	○	D) Information hiding is a derivative of the approach of incremental refinement along the control flow.
○	○	E) In object-oriented development, information hiding is primarily relevant at class level.

Answer:

true	false	
○	○	A) Adhering to the 'information hiding' principle increases flexibility for modifications.
○	○	B) Information hiding involves deliberately hiding information from callers or consumers of the building block.
○	○	C) Information hiding makes it harder to distinguish between interface and implementation.
○	○	D) Information hiding is a derivative of the approach of incremental refinement along the control flow.
○	○	E) In object-oriented development, information hiding is primarily relevant at class level.

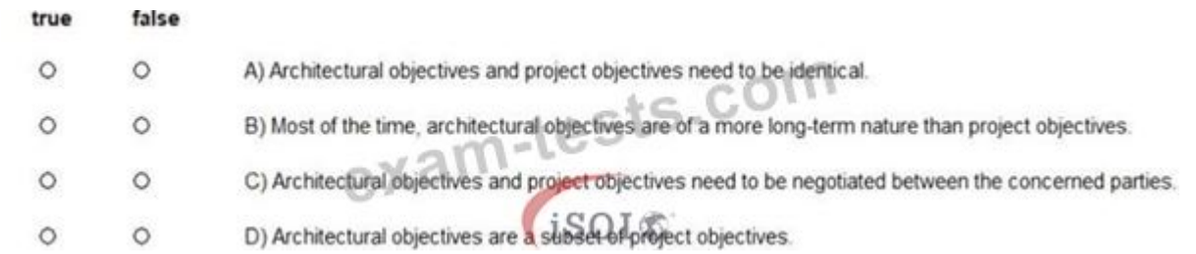
exam-tests.com
iSQI



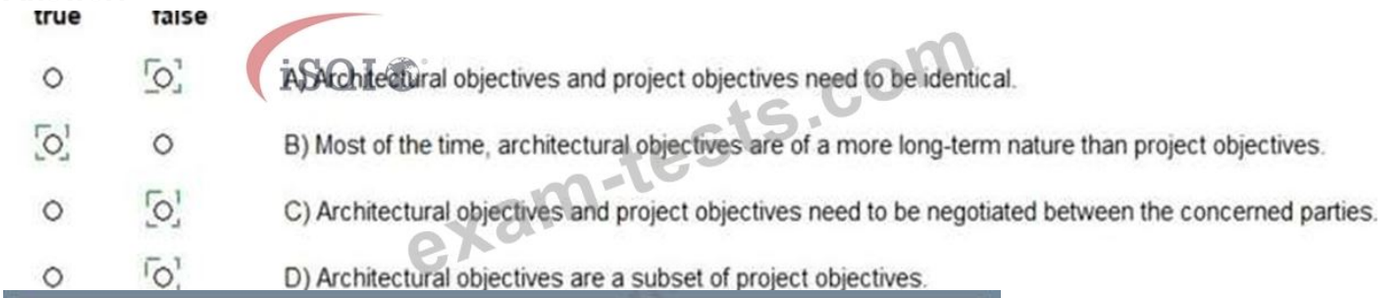
NEW QUESTION: 8
Which views should software architects document? Select the three most popular views.
A. Building-block view
B. Configuration view
C. Interface view
D. Deployment view
E. Link view
F. Stakeholder view
G. Data view
H. Non-functional view
I. Runtime view
Answer: B,D,G (LEAVE A REPLY)

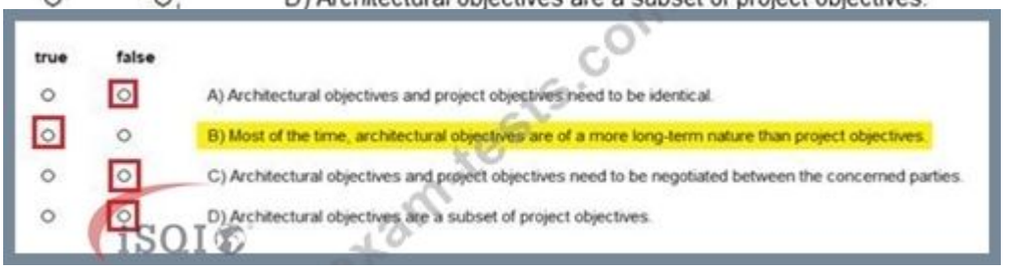
NEW QUESTION: 9
Which elements should be defined in the white-box view of a software building block 'foo'? Select the three most important elements. (Choose three.).
A. The legal contracts with the suppliers of the internal building blocks of 'foo'
B. The internal building blocks of 'foo'
C. The rationale for the decomposition of the building block
D. The algorithms of the internal building blocks of 'foo'
E. The dependencies of the internal building blocks of 'foo'
F. The sizes (in lines of code) of the internal building blocks of 'foo'
Answer: A,C,D (LEAVE A REPLY)

NEW QUESTION: 10
Which statements with regard to project objectives and architectural objectives are true and which are false?
(Assign all answers.)



Answer:





NEW QUESTION: 11

Which two of the following statements about quality characteristics are most accurate? P-Question. From the following 4 answers select 2 that Fit best.

A. Increased flexibility improves robustness

B. Flexibility reduces testability

C. Increased efficiency results in reduced performance

D. Simplicity increases comprehensibly

Answer: B,D (LEAVE A REPLY)

NEW QUESTION: 12

Which four of the following items can be building blocks of a software architecture? P-Question: From the following 8 answers select 4 that fit best.

A. a component

B. a local variable

C. a method/procedure/function/operation

D. an algorithm

E. a test harness

F. a package

G. a processor

H. a class

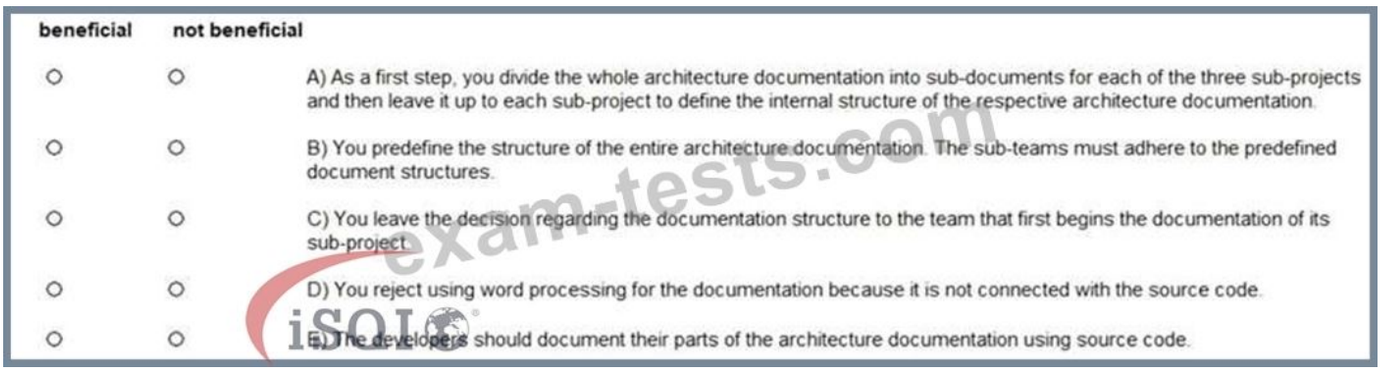
Answer: A,C,D,F (LEAVE A REPLY)

NEW QUESTION: 13
Which of the following techniques are best suited to illustrate the interaction of runtime building blocks?
Select the four most suitable
techniques.
P-Question. From the following 8 answers select 4 that fit best
A. Depiction of screen flows (sequence of user interactions)
B. Flowcharts
C. Numbered lists of sequential steps
D. Class diagrams
E. Sequence diagrams
F. Tabular description of interfaces
G. Activity diagrams
H. State diagram
Answer: A,B,E,H (LEAVE A REPLY)

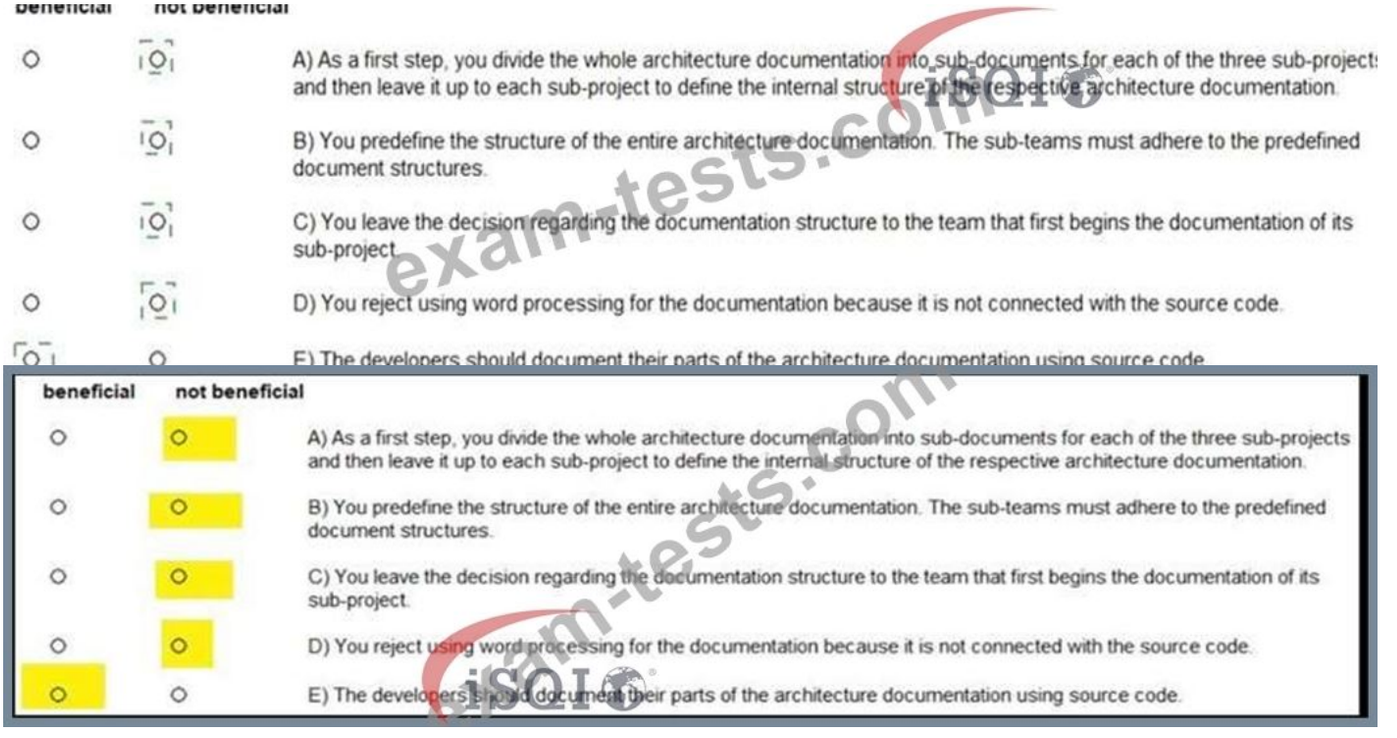
NEW QUESTION: 14
Which of the following principles apply to testing? (Choose two.)
A. Where many errors exist, more errors are usually hidden.
B. Sufficient testing will show that a program is free of errors.
C. In general, exhaustive testing is not possible.
D. Error-free test runs also mean: the software is usable.
Answer: (SHOW ANSWER)

NEW QUESTION: 15
In a customer project the architecture shall be based on components The requirements have not been fully determined yet Taking this constraint into account, which three properties of the components developed by you will you pay particular attention to?
P-Question: From the following 5 answers select 3 that fit best.
A. open for extension
B. meaningful component names
C. small component size
D. weak coupling
E. strong cohesion
Answer: A,D,E (LEAVE A REPLY)

NEW QUESTION: 16
You are responsible for the documentation of the software architecture of a large development project. The project consists of three teams, each with its own architect, but with you as the person having overall responsibility of the entire project's software architecture.
Which of the following measures are beneficial? (Assign all answers.)



Answer:



Valid CPSA-FL Dumps shared by BraindumpsPass.com for Helping Passing CPSA-FL Exam! BraindumpsPass.com now offer the **newest CPSA-FL exam dumps**, the BraindumpsPass.com CPSA-FL exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com CPSA-FL dumps with Test Engine here: https://www.braindumpspass.com/ISQI/CPSA-FL-practice-exam-dumps.html (**45** Q&As Dumps, **40%OFF** **Special Discount:** **Exam-Tests**)

NEW QUESTION: 17

Which of the following statements regarding iterative and incremental design are correct? Please name the three statements that fit the best.

P-Question. From the following 6 answers select 3 that fit best

A. If the incremental approach is used, risks are detected at a later stage

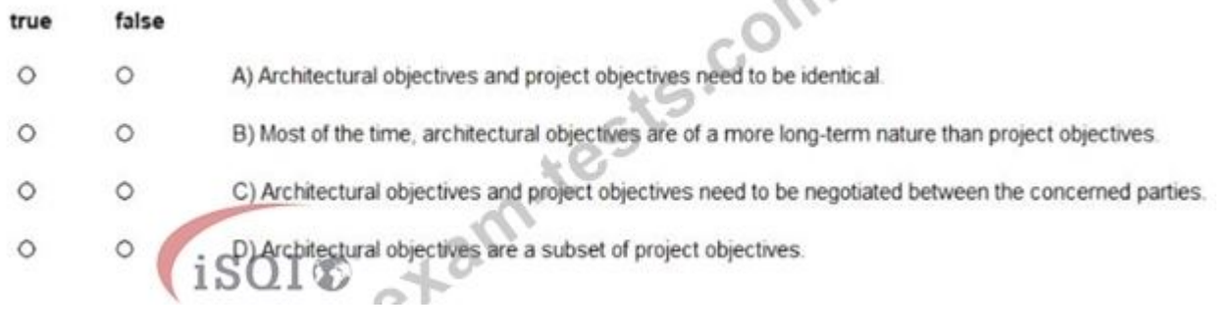
B. If incremental design is used, key functionality is considered as early as possible

C. The iterative approach helps to detect design problems at an earlier stage

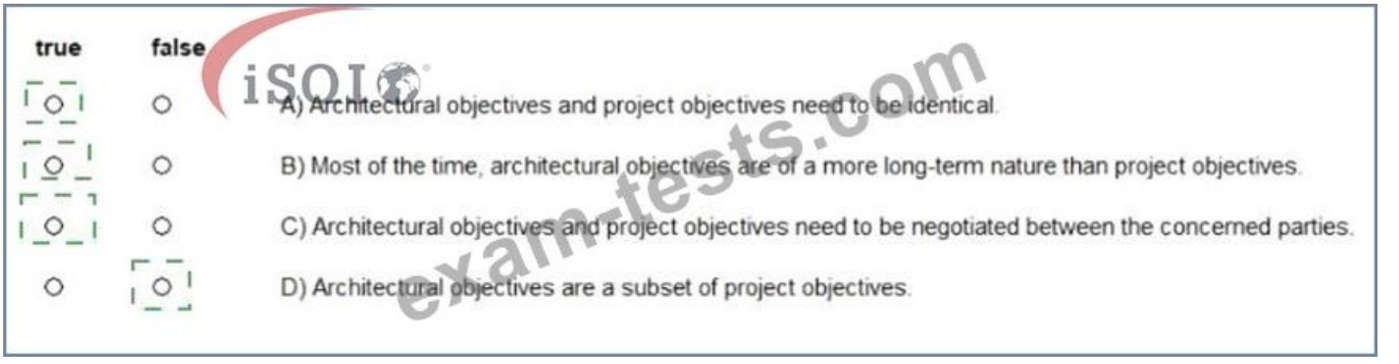
D. Iterative design leads to project delays
E. Iterations help to deal with uncertainties.
F. If iterative design is used, the customer will be less involved
Answer: (SHOW ANSWER)

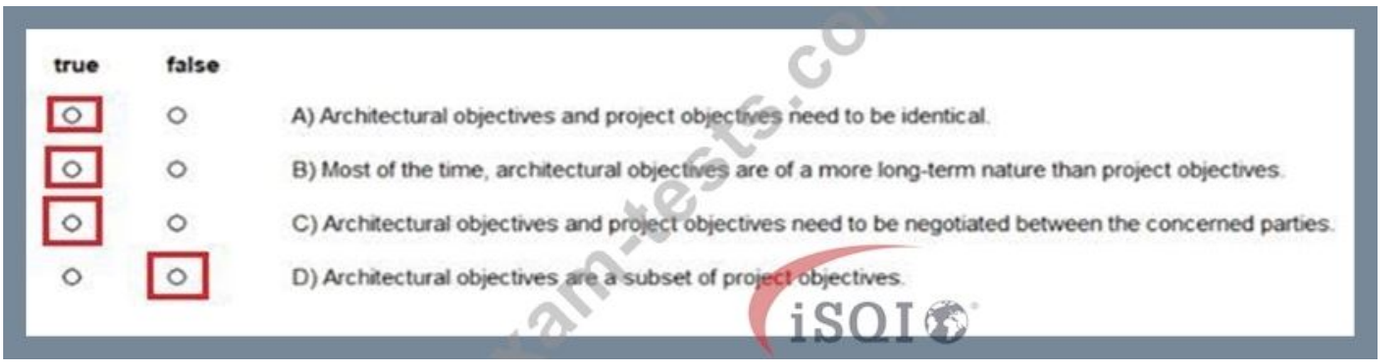
NEW QUESTION: 18
Name the three most important fields of template-based architecture documentation. P-Question. From the following 5 answers select 3 that fit best.
A. To use a standardized document structure
B. To describe module structures (white boxes)
C. To use copyright templates for a consistent description of project/system meta information within documents and source codes
D. To reuse code and test case templates
E. To describe individual architectural modules and their external interfaces (black boxes)
Answer: (SHOW ANSWER)

NEW QUESTION: 19
Which statements with regard to project objectives and architectural objectives are true and which are false?
K-Question: Assign all answers



Answer:

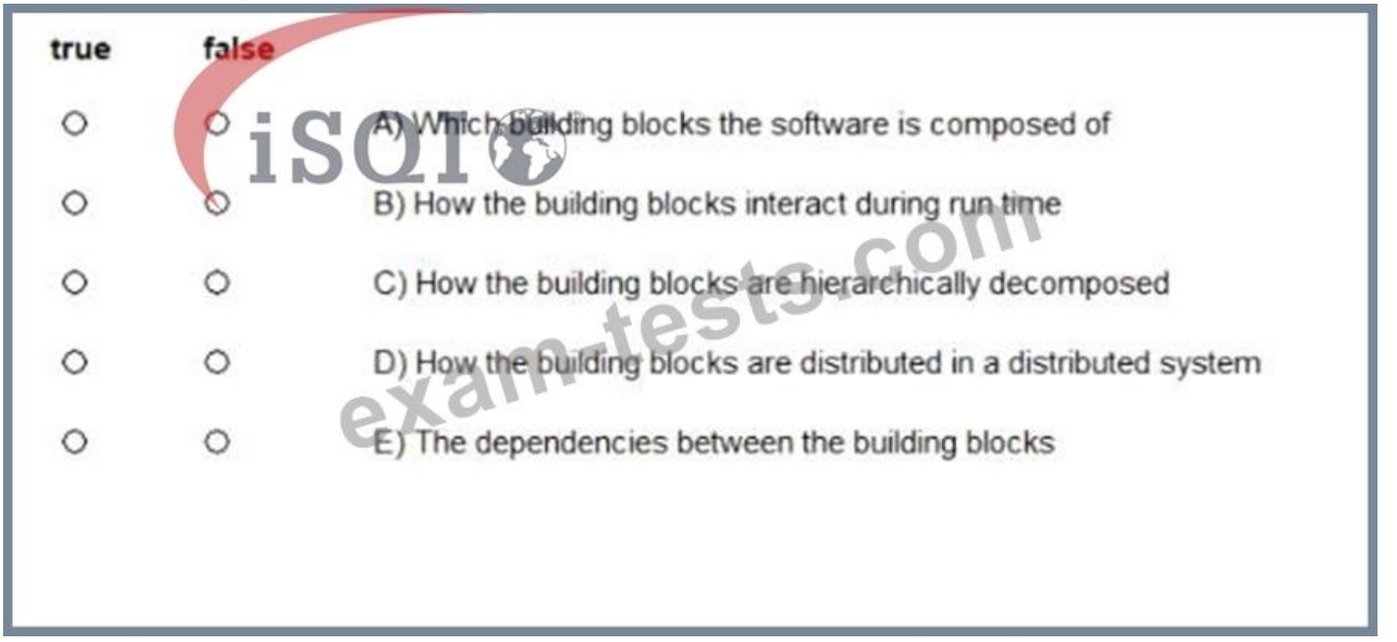




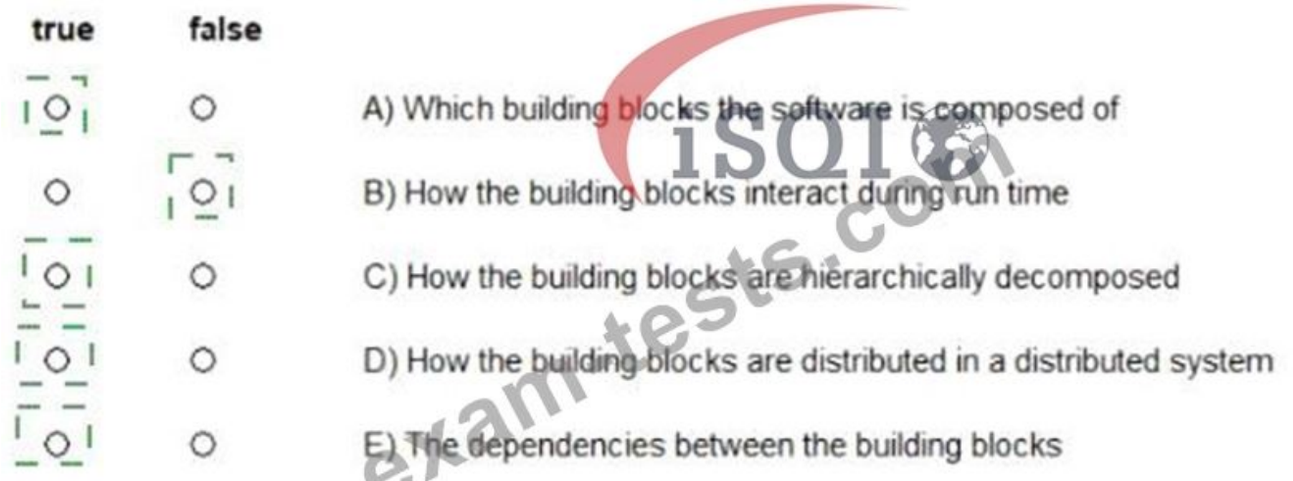
NEW QUESTION: 20

Which information is presented in the building-block view? Rate the alternatives below as either true or false?

K-Question. Assign all answers.



Answer:



Explanation
True ACDE
False B

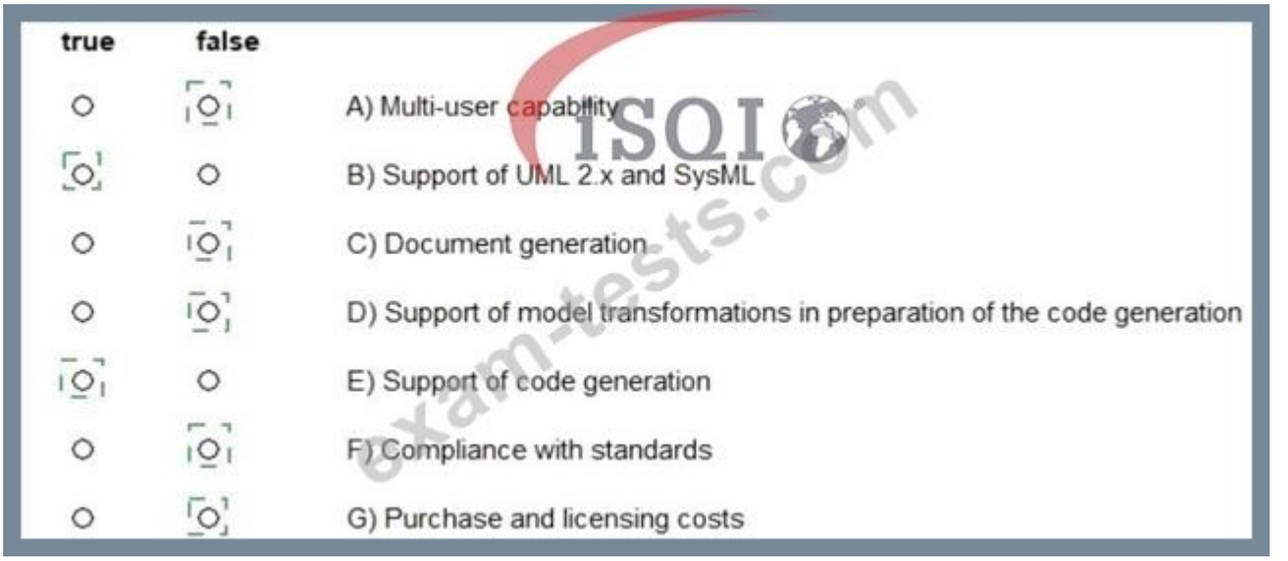
NEW QUESTION: 21
Which views should software architects document? Select the three most popular views. P-Questbn. From the following 9 answers select 3 that fit best.
A. Interface view
B. Runtime view
C. Building-block view
D. Stakeholder view
E. Data view
F. Configuration view
G. Deployment view
H. Non-functional view
I. Link view
Answer: (SHOW ANSWER)

NEW QUESTION: 22
You are supposed to choose a software-architecture modeling tool for a software-development project. You create a suitable criteria catalogue for the choice of appropriate tools.
Which of the following factors can play a role in this? (Assign all answers.)

true	false	
○	○	A) Multi-user capability
○	○	B) Support of UML 2.x and SysML
○	○	C) Document generation
○	○	D) Support of model transformations in preparation of the code generation
○	○	E) Support of code generation
○	○	F) Compliance with standards
○	○	G) Purchase and licensing costs

exam-tests.com
iSQI

Answer:



Explanation



References:

NEW QUESTION: 23

How are written documentation and verbal communication of software architectures related?

Please mark the following statements as true or false. (Assign all answers.)

true	false	
○	○	A) Agile approaches make written documentation unnecessary. In such cases, verbal communication can substitute for documentation.
○	○	B) Written documentation makes verbal reiteration unnecessary.
○	○	C) Despite written documentation, verbal communication of architectural interrelationships is important.
○	○	D) Documentation and communication should use identical terms and rationale.
○	○	E) Documentation should be created primarily for project participants who either cannot or do not want to read the system's source code.
○	○	F) Communication and documentation complement each other: verbal communication helps architects determine what must be recorded in writing.

Answer:



NEW QUESTION: 24
What are known patterns for the adaptation of interfaces? P-Question. From the following 5 answers select 2 that Fit best.
A. Facade
B. Observer
C. Wall
D. Bridge
E. Tower
Answer: (SHOW ANSWER)

NEW QUESTION: 25
Which two of the following requirements are examples of quality requirements? (Choose two.)
A. Spelling is corrected automatically.
B. User should be able to select the sort order freely.
C. Up to 40,000 requests per day
D. Failure rate is less than 0.1%.
Answer: A,B (LEAVE A REPLY)

NEW QUESTION: 26
You are supposed to choose a software-architecture modeling tool for a software-development project You create a suitable criteria catalogue for the choice of appropriate tools Which of the following factors can play a role in this?

K-Question; Assign all answers

true	false	
○	○	A) Multi-user capability
○	○	B) Support of UML 2.x and SysML
○	○	C) Document generation
○	○	D) Support of model transformations in preparation of the code generation
○	○	E) Support of code generation
○	○	F) Compliance with standards
○	○	G) Purchase and licensing costs

exam-tests.com
iSQI

Answer:

true	false	
○	○	A) Multi-user capability
○	○	B) Support of UML 2.x and SysML
○	○	C) Document generation
○	○	D) Support of model transformations in preparation of the code generation
○	○	E) Support of code generation
○	○	F) Compliance with standards
○	○	G) Purchase and licensing costs

iSQI
exam-tests.com

Explanation
True = A,B,C,F,G
False = DE

NEW QUESTION: 27
What do you have to take into account when designing external interfaces? P-Question: From the following 6 answers select 3 that fit best.
A. Adequate usage of the broker pattern
B. Volatility of neighbouring systems
C. Expected amount of parallel calls
D. Protocols enforced by neighbouring systemst
E. Ease of implementation
F. Effect on the coupling in the building block view
Answer: B,D,F (LEAVE A REPLY)

NEW QUESTION: 28

Which of the following statements about (crosscutting) concepts are most appropriate? P-Question: From the following 7 answers select 4 that Fit best.

A. A concept might be implemented by a single building block

B. Concepts are a means to increase consistency

C. For each quality goal there should be an explicitly documented concept

D. Uniform exception handling is most easily achieved when architects agree with developers upon a suitable concept prior to implementation

E. The definition of appropriate concepts ensures the conceptual integrity of the architecture

F. Uniform usage of concepts reduces coupling between building blocks DG)A concept can define constraints for the implementation of many building blocks

Answer: B,D,E,F (LEAVE A REPLY)

NEW QUESTION: 29

Which of the following statements about (crosscutting) concepts are most appropriate? (Select four.)

A. Uniform exception handling is most easily achieved when architects agree with developers upon a suitable concept prior to implementation.

B. Concepts are a means to increase consistency.

C. A concept might be implemented by a single building block.

D. For each quality goal there should be an explicitly documented concept.

E. The definition of appropriate concepts ensures the conceptual integrity of the architecture.

F. A concept can define constraints for the implementation of many building blocks.

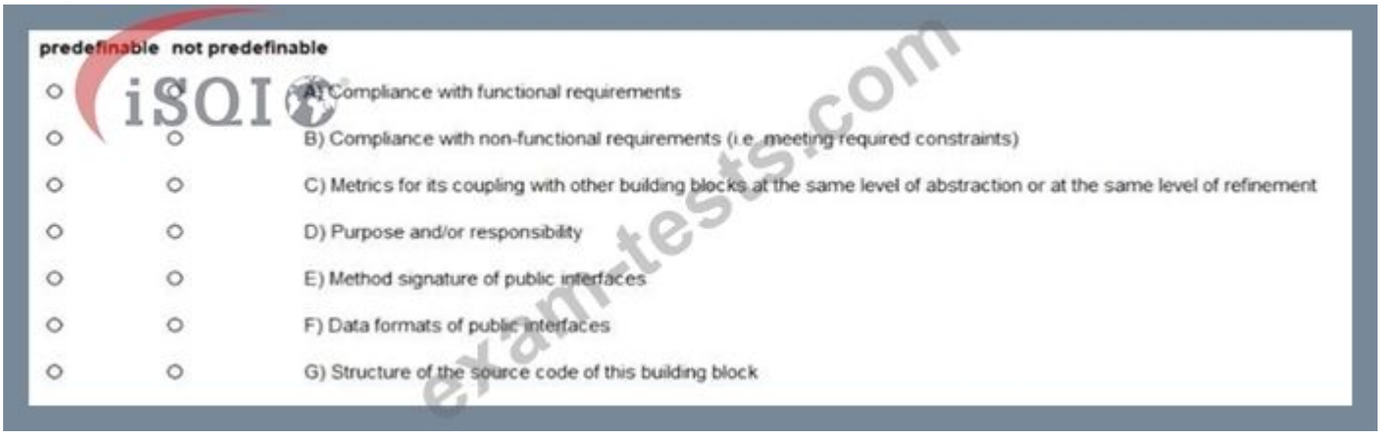
G. Uniform usage of concepts reduces coupling between building blocks.

Answer: (SHOW ANSWER)

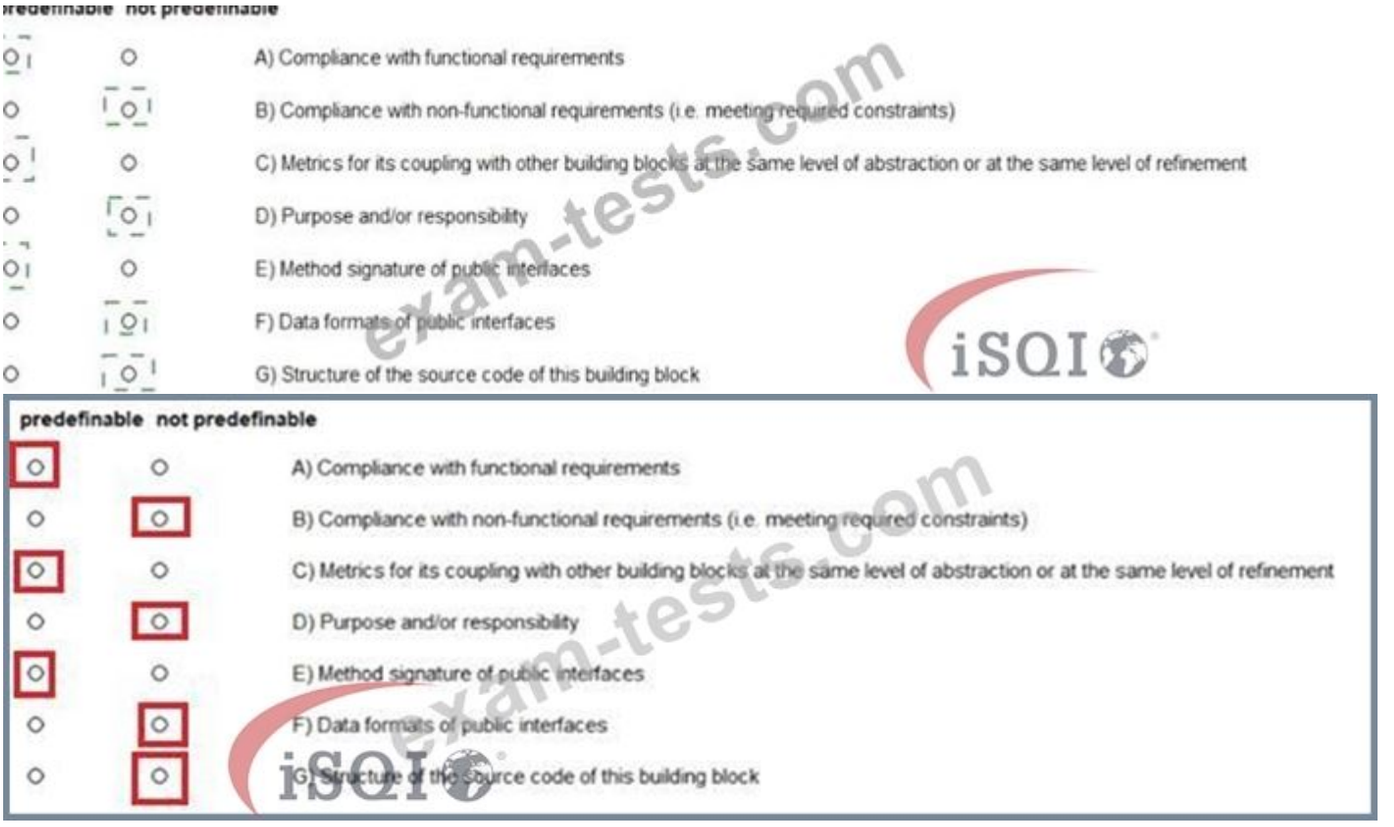
NEW QUESTION: 30

Which characteristics of a black-box building block are you able to specify as an architect? K-Question.

Assign all answers



Answer:



Valid CPSA-FL Dumps shared by BraindumpsPass.com for Helping Passing CPSA-FL Exam! BraindumpsPass.com now offer the **newest CPSA-FL exam dumps**, the BraindumpsPass.com CPSA-FL exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com CPSA-FL dumps with Test Engine here: https://www.braindumpspass.com/ISQI/CPSA-FL-practice-exam-dumps.html (**45** Q&As Dumps, **40%OFF** **Special Discount:** **Exam-Tests**)