

Post-Assessment

Question # 2 of 3

Time Left: 84 sec(s)

One of the reasons is short term focus of developers in performing the refactoring.

Select the correct option

 Reload Math Equations

☐	False
☒	True

Click to Save Answer & Move to Next Question

Question # 3 of 4

Time Left: 11 sec(s)

```
public class MonolithicConsoleUI {
    public static void main(String[] args) {
        int counter = 0;
        while (true) {
            System.out.println("Counter: " + counter);
            int nextInput = Console.readInt();
            if (nextInput == 0) break;
            counter += nextInput;
        }
    }
}
```

Identify the output command in the above code.

Select the correct option

 Reload Math Equations

☐	while (true)
☐	counter += nextInput;
☒	System.out.println("Counter: " + counter);
☐	int nextInput = Console.readInt();

Question # 1 of 1

Time Left: 87 sec(s)

_____ is a major drawback in monolithic user interfaces.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|------------------|
| ☐ | Mixed interfaces |
| ☐ | Hybrid code |
| ☐ | Simple code |
| ☒ | Code duplication |

Click to Save Answer & Move to Next Question

Fundamentally user interface has two parts.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|-----------------------|
| ☒ | Input and output |
| ☐ | It has only one part. |
| ☐ | Two output console |
| ☐ | Two input console |

Click to Save Answer & Move to Next Question

Question # 3 of 3

Time Left: 79 sec(s)

To remove the input and output code duplication in the example given in the video, which technique will be used?

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|---------------------------|
| ☐ | Waterfall MVC |
| ☒ | MVC architectural pattern |
| ☐ | MVC console View |
| ☐ | MVC language |

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 3 of 3

Time Left: 83 sec(s)

User interface is combination of _____.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|-----------------------|
| ☒ | View and controller |
| ☐ | Depends on IDE |
| ☐ | Inputs and view |
| ☐ | Controller and output |

Click to Save Answer & Move to Next Question

Question # 2 of 3

Time Left: 83 sec(s)

MVC divided the program logic into _____interconnected elements.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|-------|
| ☐ | one |
| ☐ | Zero |
| ☒ | Three |
| ☐ | Four |

Click to Save Answer & Move to Next Question

May be there are multiple views, so the question arises how to synchronize view and controller?

Select the correct option

 Reload Math Equations

- ☐ With the help of Java
- ☐ Waterfall MVC
- ☐ With the help of .net
- ☒ With the help of observer pattern

Click to Save Answer & Move to Next Question

 Pre-Assessment

 Reading

 Video

 Post-Assessment

✓ Completed

Pre-Assessment

Question # 1 of 2

Time Left: 79 sec(s)

During refactoring, while a developer creating an extract method, he should update the variable name to make more readable according to the specific functionality placed in extract method.

Select the correct option

 Reload Math Equations

- ☐ False
- ☒ True

Click to Save Answer & Move to Next Question

Pre-Assessment

Question # 2 of 2

Time Left: 86 sec(s)

Variable name should be That make code more readable.

Select the correct option

Reload Math Equations

- ☒ Meaningful ✓
- ☐ Don't use alphabetic variables
- ☐ Meaning less
- ☐ Variable should be not used

Click to Save Answer & Move to Next Question

Question # 1 of 2

Time Left: 76 sec(s)

While applying refactoring on a long method, the developer should repeat the extracting out and moving method processes on the other algorithmic steps available in the same method.

Select the correct option

Reload Math Equations

- ☒ True ✓
- ☐ False

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 2 of 2

Time Left: 79 sec(s)

Improved cohesion in design will return _____.

Select the correct option

 Reload Math Equations

☐	Hard to modify
☐	Very hard to update
☒	Ease in modification
☐	Difficult to modify

Click to Save Answer & Move to Next Question

✓ Completed

Post-Assessment

Question # 2 of 2

Time Left: 82 sec(s)

After refactoring the code, developer must run the test cases on all the repeating processes to ensure that the running program is not broken.

Select the correct option

 Reload Math Equations

☐	False
☒	True

Click to Save Answer & Move to Next Question

✓ Completed

Post-Assessment

Question # 2 of 2

Time Left: 82 sec(s)

After refactoring the code, developer must run the test cases on all the repeating processes to ensure that the running program is not broken.

Select the correct option

 Reload Math Equations

☐	False
☒	True



Click to Save Answer & Move to Next Question

Pre-Assessment

Question # 1 of 3

Time Left: 81 sec(s)

While applying refactoring on a long method, the developer should repeat the extracting out and moving method processes on the other algorithmic steps available in the same method.

Select the correct option

 Reload Math Equations

☐	False
☒	True



Click to Save Answer & Move to Next Question

Question # 2 of 2

Time Left: 80 sec(s)

Once an application has developed and implemented then there is no possibility to add new requirements in the developed and running system.

Select the correct option

 Reload Math Equations

☒	True	X
☐	False	✓

Click to Save Answer & Move to Next Question

Select the correct option

 Reload Math Equations

☒	Long methods	✓
☐	Programming	
☐	C++ language	
☐	Short methods	

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 2 of 3

Time Left: 74 sec(s)

If a developer encapsulates the expression or formula in a method that holds by temporary variable, it will enhance

Select the correct option

Reload Math Equations

- | | |
|----------------------------------|---------------------|
| ☐ | Difficult to modify |
| ☐ | Inheritance |
| ☐ | Encapsulation |
| ☒ | Reusability |

Click to Save Answer & Move to Next Question

Question # 1 of 2

Time Left: 87 sec(s)

Object morphing is a blessing for software developers.

Select the correct option

Reload Math Equations

- | | |
|----------------------------------|-------|
| ☒ | False |
| ☐ | True |

Click to Save Answer & Move to Next Question

Question # 3 of 3

Time Left: 87 sec(s)

If a temporary variable holds an expression or formula, it means temporary variable has reusable kind of information.

Select the correct option

 Reload Math Equations

☒	True
☐	False

Click to Save Answer & Move to Next Question

Question # 1 of 2

Time Left: 71 sec(s)

Improved cohesion in design will return _____.

Select the correct option

 Reload Math Equations

☐	Hard to modify
☐	Difficult to modify
☒	Ease in modification
☐	Very hard to update

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 1 of 2

Time Left: 84 sec(s)

Object morphing problem may be solved by

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|-------------------------|
| ☒ | Strategy design pattern |
| ☐ | Encapsulation |
| ☐ | Inheritance |
| ☐ | Difficult to handle |

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 3 of 3

Time Left: 83 sec(s)

Why are developers reluctant to perform refactoring?

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|---|
| ☒ | Lacking of understanding |
| ☐ | Because application developed using monolithic architecture |
| ☐ | Because application developed using micro services architecture |
| ☐ | Social media addiction |

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 1 of 3

Time Left: 79 sec(s)

An application is running smoothly, and the developer's fears make him reluctant to refactor.

Select the correct option

Reload Math Equations

- ☐ Fear of weight gain
- ☐ Fear of staying a week in office
- ☒ Fear of breaking current program
- ☐ Fear of not getting food

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 3 of 3

Time Left: 77 sec(s)

Loosely speaking, a class maps on to database table. So, if a class's structure changes, then the database structure may also vary.

Select the correct option

Reload Math Equations

- ☐ False
- ☒ True

Click to Save Answer & Move to Next Question

Question # 1 of 3

Time Left: 85 sec(s)

The code is hard to change while making changes in the database is easy.

Select the correct option

 Reload Math Equations

☒	False
☐	True

Click to Save Answer & Move to Next Question

Question # 1 of 2

Time Left: 86 sec(s)

Microsoft PowerPoint does not provide different slide views.

Select the correct option

 Reload Math Equations

☒	False
☐	True

Click to Save Answer & Move to Next Question

Question # 2 of 2

Time Left: 83 sec(s)

It is not different in mobile and laptop screen heights and widths. That's why a software developer does not consider device display while programming.

Select the correct option

 Reload Math Equations

☐	True
☒	False

Click to Save Answer & Move to Next Question

Question # 1 of 2

Time Left: 83 sec(s)

The databases works as global variables.

Select the correct option

 Reload Math Equations

☐	False
☒	True

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 2 of 2

Time Left: 77 sec(s)



Which of the following suitable name of above interface?

Select the correct option

[Reload Math Equations](#)

- ☐ Console based input and output
- ☐ Command line input and output
- ☐ GUI based input and output
- ☒ Console-based Input and GUI based Output

[Click to Save Answer & Move to Next Question](#)

Question # 1 of 2

Time Left: 75 sec(s)

```
C:\Users\Sasa2\src\comp110>java examples.mvc.ConsoleUI
Counter: 0
1
Counter: 1
-1
Counter: 0
5
Counter: 5
```

Which of the following suitable name of above interface?

Select the correct option

[Reload Math Equations](#)

- ☐ Graphical user interface
- ☐ Mobile interface
- ☒ Console based interface
- ☐ Laptop interface

[Click to Save Answer & Move to Next Question](#)

Post-Assessment

Question # 1 of 4

Time Left: 83 sec(s)

Different input and output user interfaces of an application make code _____

Select the correct option

Reload Math Equations

☐	Easy
☒	Duplicate
☐	Enhanced
☐	Recycle

Click to Save Answer & Move to Next Question

```
while (true) {
    System.out.println("Counter: " + counter);
    int nextInput = Console.readInt();
    if (nextInput == 0) break;
    counter += nextInput;
}
}
```

counter variable initializes with _____ in the above code.

Select the correct option

Reload Math Equations

☐	++
☐	1
☐	--
☒	Zero

Click to Save Answer & Move to Next Question


```
public class MonolithicConsoleUI {  
    public static void main(String[] args) {  
        int counter = 0;  
        while (true) {  
            System.out.println("Counter: " + counter);  
            int nextInput = Console.readInt();  
            if (nextInput == 0) break;  
            counter += nextInput;  
        }  
    }  
}
```

Identify the output command in the above code.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|--|
| ☐ | while (true) |
| ☐ | counter += nextInput; |
| ☒ | System.out.println("Counter: " + counter); |
| ☐ | int nextInput = Console.readInt(); |

✓ Comp

```
int counter = 0;
while (true) {
    JOptionPane.showMessageDialog(
        null, "Counter: " + counter);
    int nextInput = Console.readInt();
    if (nextInput == 0) break;
    counter += nextInput;
}
}
```

In the above code, input is _____.

Select the correct option

Reload Math Equations

- | | |
|----------------------------------|--------------|
| ☐ | Item base |
| ☐ | Switch base |
| ☒ | Console base |
| ☐ | GUI base |

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 1 of 4

Time Left: 83 sec(s)

Different input and output user interfaces of an application make code _____.

Select the correct option

Reload Math Equations

- | | |
|----------------------------------|-----------|
| ☐ | Easy |
| ☒ | Duplicate |
| ☐ | Enhanced |
| ☐ | Recycle |

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 2 of 4

Time Left: 83 sec(s)

In model / interactor pattern, model has _____ functionality

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|------------|
| ☐ | Duplicated |
| ☐ | Different |
| ☐ | Recycled |
| ☒ | Common |

Click to Save Answer & Move to Next Question

Question # 3 of 4

Time Left: 69 sec(s)

A situation in which an application has multiple user interfaces of the same code. It means there is duplicated code. The duplicated code problem will be handled through _____

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|----------------------------|
| ☒ | Model / Interactor pattern |
| ☐ | Agile pattern |
| ☐ | Spiral pattern |
| ☐ | Waster fall patter |

Click to Save Answer & Move to Next Question

Question # 4 of 4

Time Left: 83 sec(s)

Monolithic application provides just console based user interface.

Select the correct option

 Reload Math Equations

☐	True
☒	False

Click to Save Answer & Move to Next Question

MVS has _____ parts.

Select the correct option

 Reload Math Equations

☒	3
☐	1
☐	0
☐	2

Click to Save Answer & Move to Next Question

```

public class ConsoleUI {
public static void main(String[] args) {
    int counter = 0;
    while (true) {
        System.out.println("Counter: " + counter);
        int nextInput = Console.readInt();
        if (nextInput == 0) break;
        counter += nextInput;
    }
}
}

```

Above code is totally _____ based code.

Select the correct option

Reload Math Equations

☐	Graphical user interface
☒	Console
☐	Hybrid
☐	Mixed

Question # 1 of 3

Time Left: 72 sec(s)

_____ is a set of elements held together by a relation.

Select the correct option

Reload Math Equations

☒	Structure
☐	CPU
☐	Software
☐	Compiler

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Pre-AssessmentReadingVideoPost-Assessment

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```
public class ConsoleUI {  
    public static void main(String[] args) {  
        int counter = 0;  
        while (true) {  
            System.out.println("Counter: " + counter);  
            int nextInput = Console.readInt();  
            if (nextInput == 0) break;  
            counter += nextInput;  
        }  
    }  
}
```

In model / interactor pattern, computation code will be separated and place in _____.

Select the correct option

Reload Math Equations

☐ Removed

☐ Inherited

☐ Interactor

☐ Model

The software architecture of a system is the _____ needed to reason about the system.

Select the correct option

Reload Math Equations

☐ guidelines

☐ Instructions

☐ relationships

☒ set of structures

Click to Save Answer & Move to Next Question

Question # 1 of 3

Time Left: 83 sec(s)

Software systems are composed of _____structures.

Select the correct option

 Reload Math Equations

☐	Infinite
☒	Many
☐	Zero
☐	Single

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 1 of 2

Time Left: 82 sec(s)

The _____the system, the more dramatic the difference between these structures tends to be.

Select the correct option

 Reload Math Equations

☐	Lower
☐	Petite
☐	Smaller
☒	Larger

Click to Save Answer & Move to Next Question

Post-Assessment

Question # 2 of 2

Time Left: 86 sec(s)

In general, for smaller systems, we prefer _____ structure(s).

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|----------|
| ☒ | fewer |
| ☐ | one |
| ☐ | too many |
| ☐ | many |

Click to Save Answer & Move to Next Question

Question # 1 of 5

Time Left: 82 sec(s)

In _____, the elements are runtime components.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|-----------------------|
| ☐ | Module structures |
| ☐ | Allocation structures |
| ☐ | Deployment structures |
| ☒ | Dynamic structures |

Click to Save Answer & Move to Next Question

Pre-Assessment

Question # 2 of 5

Time Left: 76 sec(s)

The _____ structure is strongly tied to the achievement of performance, availability, and security goals.

Select the correct option

 Reload Math Equations

- | | | |
|----------------------------------|------------|---|
| ☐ | static | |
| ☐ | deployment | ✓ |
| ☐ | C&C | |
| ☒ | dynamic | ✗ |

Click to Save Answer & Move to Next Question

Pre-Assessment

Question # 5 of 5

Time Left: 85 sec(s)

_____ are also called Component & Connector Structures.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|-----------------------|
| ☐ | Deployment structures |
| ☒ | Dynamic structures |
| ☐ | Static structures |
| ☐ | Allocation structures |

Click to Save Answer & Move to Next Question

Question # 1 of 5

Time Left: 82 sec(s)

_____ are also known as deployment structures.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|------------------------------------|
| ☐ | Static structures |
| ☒ | Allocation structures |
| ☐ | Dynamic structures |
| ☐ | Component-and-Connector structures |

Click to Save Answer & Move to Next Question

Question # 2 of 5

Time Left: 76 sec(s)

In any _____, the elements are modules of some kind.

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|----------------------|
| ☐ | Allocation structure |
| ☐ | Deployment structure |
| ☐ | Dynamic structure |
| ☒ | Module structure |

Click to Save Answer & Move to Next Question

Question # 4 of 5

Time Left: 81 sec(s)

The _____ structure, which embodies parallelism within the system, is strongly tied to the ease with which a system can be made free of deadlock and performance bottlenecks.

Select the correct option

 Reload Math Equations

☐	efficiency
☐	availability
☐	security
☒	concurrency

Click to Save Answer & Move to Next Question

_____ structures show the relationship between the software elements and elements in one or more external environments in which the software is created and executed.

Select the correct option

☐	Module
☐	Dynamic
☒	Allocation
☐	Static

Click to Save Answer & Move to Next Question

Question # 1 of 2

Time Left: 77 sec(s)

Product recommendations is also called _____ recommendations.

Select the correct option

 Reload Math Equations

☒	Structural
☐	Client-Server
☐	Design
☐	Process

Click to Save Answer & Move to Next Question

A three-tier layered service-oriented architecture may be the right thing for a _____enterprise's web-based B2B system but completely wrong for an avionics application.

Select the correct option

 Reload Math Equations

☐	Small
☐	Medium
☐	Micro
☒	Large

Click to Save Answer & Move to Next Question

In Dynamic structures, _____ are the communication vehicles among components.

Select the correct option

 Reload Math Equations

☐	modules
☒	connectors
☐	server
☐	clients

Click to Save Answer & Move to Next Question

Although the structures give different system perspectives, they are not_____.

Select the correct option

☐	Conditional
☐	Reliant on
☒	Independent
☐	Dependent

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Pre-Assessment Reading Video Post-Assessment

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Post-Assessment

Question # 1 of 3Time Left: 81 sec(s)

The architecture should be the product of a single architect or a small group of architects with an identified technical leader. This recommendation holds for

Select the correct option

Reload Math Equations

☒

Agile, Open Source as well as traditional projects

☐

Agile projects only

☐

Traditional projects only

☐

Agile and Open Source projects only

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Post-Assessment

Question # 2 of 3Time Left: 81 sec(s)

There should be a strong connection between the architect(s) and the development team, to avoid ivory tower designs that are

Select the correct option

Reload Math Equations

☐

Efficient

☐

Robust

☐

Secure

☒

Impractical

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Completed

Question # 5 of 5

Time Left: 83 sec(s)

Product recommendations is also called_____ recommendations:

Select the correct option

Reload Math Equations

☐

Client-Server

☒

Structural

☐

Process

☐

Design

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Question # 1 of 3

Time Left: 82 sec(s)

Under Product Recommendations, modules that produce data should be _____modules that consume data.

Select the correct option

Reload Math Equations

☐

combined with

☐

mirrored with

☒

separate from

☐

integrated with

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Pre-AssessmentReadingVideoPost-Assessment

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Post-Assessment

Question # 2 of 3Time Left: 84 sec(s)

In the context of Product Recommendations, Do not expect acorrespondence between modules and components.

Select the correct option

☒

one-to-one

☐

many-to-one

☐

one-to-many☐

Reload Math Equations

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Pre-Assessment

Question # 3 of 5Time Left: 71 sec(s)

..... patterns specializes the generic deployment (software-to-hardware allocation) structure.

Select the correct option

☒

Allocation

☐

C&C type

☐

Module☐

Reload Math Equations

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Lesson 139: 11.139. Architectural Drivers

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Pre-AssessmentVideoPost-AssessmentReading

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Pre-Assessment

Question # 4 of 5Time Left: 83 sec(s)

Shared Data (or repository) Pattern is an example of _____ Patterns.

Select the correct option

☐ Allocation

☒ C&C type

☐ Module

☐ Layered

Reload Math Equations

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Lesson 139: 11.139. Architectural Drivers

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Post-Assessment

Question # 1 of 3Time Left: 84 sec(s)

_____describe what you are doing and why you are doing it.

Select the correct option

☐ Code smells

☐ Pointers

☐ Testing techniques

☒ Architectural Drivers

Reload Math Equations

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Pre-Assessment Video Post-Assessment Reading

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Post-Assessment

Question # 2 of 3Time Left: 85 sec(s)

The Architectural driversthe design of the software architecture.

Select the correct option

☐ Validate

☐ Test

☐ Verify

☒ Drive and guide

Reload Math Equations

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Lesson 140: 11.140. The Architecture Meta-Frame

Navigation icons

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Completed

Post-Assessment

Question # 1 of 3Time Left: 88 sec(s)

The Architecture Meta-Frame was developed by Corporation.

Select the correct option

☐ Google

☐ Oracle

☒ Microsoft

☐ Apple

Reload Math Equations

Click to Save Answer & Move to Next Question

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Lesson 140: 11.140. The Architecture Meta-Frame

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Pre-Assessment Reading Video Post-Assessment

Completed

Post-Assessment

Question # 2 of 3Time Left: 72 sec(s)

Which of the following does not come under the class of Architectural styles:

Select the correct option

☒ Web Application

☐ N-Tier

☐ Client-Server

☐ Component-based

Reload Math Equations

Click to Save Answer & Move to Next Question

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Lesson 140: 11.140. The Architecture Meta-Frame

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Completed

Post-Assessment

Question # 3 of 3Time Left: 82 sec(s)

Which of the following is not an Application Type:

Select the correct option

☒ N-Tier

☐ Web based

☐ Rich Client

☐ Mobile based

Reload Math Equations

Click to Save Answer & Move to Next Question

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CS603 - Software Architecture and Design

Lesson 141: 11.141. Quality Attributes: Introduction

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Pre-Assessment

Completed

Question # 1 of 5Time Left: 79 sec(s)

Many of the software quality attributes are therequirements.

Select the correct option

☒ non-functional

☐ functional

Reload Math Equations

Click to Save Answer & Move to Next Question

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Lesson 141: 11.141. Quality Attributes: Introduction

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Pre-Assessment

Completed

Question # 3 of 5Time Left: 80 sec(s)

A structure is if it supports reasoning about the system and its properties.

Select the correct option

☐ developmental

☐ computational

☒ architectural

☐ responsive

Reload Math Equations

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CS603 - Software Architecture and Design

Lesson 141: 11.141. Quality Attributes: Introduction

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Completed

Post-Assessment

Question # 1 of 3Time Left: 72 sec(s)

Quality attributes cannot be considered as:

Select the correct option

☒

functional requirements

☐

cross-cutting concerns

☐

non-functional requirements

☐

service-level agreements

Reload Math Equations

Click to Save Answer & Move to Next Question

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CS603 - Software Architecture and Design

Lesson 141: 11.141. Quality Attributes: Introduction

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Pre-Assessment Reading Video Post-Assessment

Completed

Post-Assessment

Question # 2 of 3Time Left: 79 sec(s)

_____ is a measure of the "goodness" of a product along some dimension of interest to its stakeholders.

Select the correct option

☐

System specification

☐

Software Maintenance

☐

Functional requirement

☒

Quality attribute

Reload Math Equations

Click to Save Answer & Move to Next Question

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Lesson 141: 11.141. Quality Attributes: Introduction

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Post-Assessment

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Question # 3 of 3

Time Left: 71 sec(s)

Which of the following is not considered as a Quality attribute?

Select the correct option

Reload Math Equations

☒ Transactions

☐ Portability

☐ Performance

☐ Maintainability

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CS603 - Software Architecture and Design

Lesson 142: 11.142. Architecturally Significant Quality Attributes

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Question # 1 of 2

Time Left: 80 sec(s)

While developing a software for the Apple Mobile OS, which of the following quality attribute will be given least priority:

Select the correct option

Reload Math Equations

☒ Interoperability

☐ Usability

☐ Performance

☐ Security

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Lesson 142: 11.142. Architecturally Significant Quality Attributes

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Completed

Post-Assessment

Question # 2 of 2Time Left: 78 sec(s)

We need to understand how to _____ Software Quality attributes.

Select the correct option

☐ Capture and refine

☒ Capture, refine and challenge

☐ Capture

☐ Refine

Reload Math Equations

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Lesson 144: 11.144. Quality Attributes – Description

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

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Post-Assessment

Question # 2 of 3Time Left: 85 sec(s)

_____ is an indication of the responsiveness of a system to execute any action within a given interval of time.

Select the correct option

☐ Availability

☐ Usability

☒ Performance

☐ Manageability

Reload Math Equations

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Lesson 144: 11.144. Quality Attributes – Description

Note: You have to complete a Tab before you go to the next one.

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Post-Assessment

Question # 3 of 3Time Left: 80 sec(s)

_____ defines the capability for components and subsystems to be suitable for use in other applications and in other scenarios.

Select the correct option

Reliability

Manageability

Maintainability

Reusability

Click to Save Answer & Move to Next Question

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CS603 - Software Architecture and Design

Lesson 144: 11.144. Quality Attributes – Description

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment

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Post-Assessment

Question # 1 of 3Time Left: 85 sec(s)

_____ drives the architecture.

Select the correct option

Programming language

Requirements

Testing

Compiler

Click to Save Answer & Move to Next Question

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Pre-AssessmentReadingVideoPost-Assessment

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Post-Assessment

Question # 3 of 3Time Left: 86 sec(s)

----- include time & budget, technology, people & skills etc.

Select the correct option

Design

Documentation

Constraints

Requirements

Reload Math Equations

Click to Save Answer & Move to Next Question

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Note: You have to complete a Tab before you go to the next one.

Pre-AssessmentReadingVideoPost-Assessment

Completed

Post-Assessment

Question # 1 of 3Time Left: 82 sec(s)

Which of the following application types is probably the best choice if you want to support rich media and graphics delivered over the Internet ?

Select the correct option

Service application

Web application

Rich client application

Rich Internet application

Reload Math Equations

Click to Save Answer & Move to Next Question

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Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Completed

Post-Assessment

Question # 2 of 3Time Left: 78 sec(s)

Our choice of an appropriate application type usually depends on the

Select the correct option

☒

User requirements, scenarios and constraints

☐

User requirements

☐

Scenarios and constraints

☐

Constraints

Reload Math Equations

Click to Save Answer & Move to Next Question

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Lesson 146: 11.146. Application Types

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Completed

Post-Assessment

Question # 3 of 3Time Left: 80 sec(s)

Which of the following application types is probably the best choice if you want to support data entry with forms in an occasionally connected scenario ?

Select the correct option

☐

Rich Internet application

☐

Service application

☒

Rich client application

☐

Web application

Reload Math Equations

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Lesson 147: 11.147. Application Types and Deployment Strategy

Note: You have to complete a Tab before you go to the next one.

Pre-AssessmentReadingVideoPost-Assessment

Completed

Post-Assessment

Question # 1 of 1Time Left: 82 sec(s)

Every application design must take into account the following quality attributes:

Select the correct option

☒

Security, performance, and maintainability

☐

Security and maintainability only

☐

Security and performance only

☐

Performance and maintainability only

Click to Save Answer & Move to Next Question

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Lesson 148: 11.148. Application Types – Description

Note: You have to complete a Tab before you go to the next one.

VideoPost-AssessmentPre-AssessmentReading

Completed

Pre-Assessment

Question # 2 of 3Time Left: 78 sec(s)

_____ are designed to support communication between loosely coupled components.

Select the correct option

☐

Rich client application

☒

Service application

☐

Web application

☐

Rich Internet application

Click to Save Answer & Move to Next Question

Reload Math Equations

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CS603 - Software Architecture and Design

Lesson 149: 11.149. Architecture Styles

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

Completed

Question # 2 of 3 Time Left: 83 sec(s)

Architectural style is also known as _____

Select the correct option

☒

architectural pattern

☐

Integrated Development Environment (IDE)

☐

template

☐

design

Reload Math Equations

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CS603 - Software Architecture and Design

Lesson 137: 11.137. Process Recommendations

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Reading Video Post-Assessment

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Question # 3 of 3 Time Left: 77 sec(s)

Under Process Recommendations, the architecture should lend itself to _____ implementation.

Select the correct option

☐

Runtime

☐

Partial

☐

Linear

☒

Incremental

Reload Math Equations

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Lesson 138: 11.138. Product Recommendations

Note: You have to complete a Tab before you go to the next one.

Pre-AssessmentReadingVideoPost-Assessment

Completed

Post-Assessment

Question # 3 of 3Time Left: 79 sec(s)

The architecture should feature well-defined modules whose functional responsibilities are assigned on the principles of information hiding and

Select the correct option

Reload Math Equations

☒

separation of concerns

☐

integration

☐

software

☐

hardware

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Lesson 139: 11.139. Architectural Drivers

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Pre-AssessmentVideoPost-AssessmentReading

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Pre-Assessment

Question # 2 of 5Time Left: 58 sec(s)

Every system includes among them to support some type of reasoning.

Select the correct option

Reload Math Equations

☐

Relations

☐

Elements

☒

Elements and Relations

☐

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CS603 - Software Architecture and Design

Lesson 139: 11.139. Architectural Drivers

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Video Post-Assessment Reading

Completed

Pre-Assessment

Question # 5 of 5 Time Left: 80 sec(s)

Although every system has an architecture, it is _____ that the architecture is documented.

Select the correct option

☒

not necessary

☐

necessary

Reload Math Equations

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Lesson 139: 11.139. Architectural Drivers

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment Video Post-Assessment Reading

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Post-Assessment

Question # 3 of 3 Time Left: 82 sec(s)

The _____ satisfies Architectural drivers.

Select the correct option

☐

System specifications

☐

Software requirements.

☒

Software architecture design

☐

Coding

Reload Math Equations

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CS603 - Software Architecture and Design

Lesson 144: 11.144. Quality Attributes – Description

Note: You have to complete a Tab before you go to the next one.

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Question # 1 of 3

Time Left: 81 sec(s)

_____ defines how well the system meets the requirements of the different type of users for good user experience.

Select the correct option

☐ Reliability

☐ Maintainability

☒ Usability

☐ Availability

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Lesson 144: 11.144. Quality Attributes – Description

Note: You have to complete a Tab before you go to the next one.

Pre-Assessment

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Completed

Question # 1 of 3

Time Left: 81 sec(s)

_____ defines how well the system meets the requirements of the different type of users for good user experience.

Select the correct option

☐ Reliability

☐ Maintainability

☒ Usability

☐ Availability

Reload Math Equations

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Note: You have to complete a Tab before you go to the next one.

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Question # 2 of 3Time Left: 76 sec(s)

_____ is/are a design decision with zero degrees of freedom.

Select the correct option

☐ System architecture

☐ Coding

☐ Testing

☒ Constraints

Reload Math Equations

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CS603 - Software Architecture and Design

Lesson 149: 11.149. Architecture Styles

Completed

Note: You have to complete a Tab before you go to the next one.

Pre-AssessmentReadingVideoPost-Assessment

Post-Assessment

Completed

Question # 3 of 3Time Left: 85 sec(s)

Which of the following is not an example of architectural styles?

Select the correct option

☐ N-Tier

☒ Encapsulation

☐ Client/server

☐ Object-oriented

Reload Math Equations

Click to Save Answer & Move to Next Question

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