

## TQ 4 : Implementation - Results



### Attempt 2 of 5

Written Nov 15, 2023 9:30 PM - Nov 15, 2023 9:33 PM

Attempt Score **15 / 15**

Overall Grade (Highest Attempt) **15 / 15**

#### Question 1

**1 / 1 point**

It is possible to write code without doing a design first

☐ True

☒ False

#### Question 2

**1 / 1 point**

Check all of the following that are part of the Implementation Phase:

- ☐ Stored Procedures to define and populate database(s)
- ☐ Scripts to set permissions and create file structures
- ☐ Populate reference/resource files
- ☐ Documentation - user guides, installation guides, owner's manual
- ☐ Setup source control (if not already done as part of Design work)
- ☐ Good comments
- ☐ Follow a coding standard
- ☐ Don't just code the happy path
- ☐ Unit testing
- ☐ Code Inspections and/or Pair Programming
- ☐ Pull code down often
- ☐ Exception are for exceptional errors, not probable ones

### Question 3

1 / 1 point

Check all that apply, who is the audience for your comments in your code:

- ☐ You
- ☐ The user
- ☐ The person that has to do maintenance
- ☐ The tester that verifies the code
- ☐ No one (because no one ever reads the comments)
- ☐ The person that has to upgrade your solution
- ☐ The person(s) reviewing your code

### Question 4

1 / 1 point

You should comment you code after you finish writing it so that it is more accurate

☐ True

☒ False

### Question 5

1 / 1 point

Which of the following are items commonly included in a coding standard:

☒ Indentation conventions

☐ Design Patterns to be used

☒ Class and/or method size

☐ Color coding of keywords

☒ Naming conventions for classes, methods, attributes, and variables

### Question 6

1 / 1 point

A good code comment will

☐ Explain what is likely to go wrong with the code as written

☐ Explain another way the code could have been written

☒ Explain why the code is written the way it is

☐ Explain how the compiler will interpret the code as written

### Question 7

1 / 1 point

If you write good comments for your methods, you don't need to validate the inputs into it

☐ True

☒ False

### Question 8

1 / 1 point

Which of the following statements are true for Closed Box Testing

- ☐ Guarantees the code is perfect
- ☐ Can be used to test try-catch blocks
- ☐ Is repeatable and/or can be automated
- ☐ Exercises the code through the defined interfaces
- ☐ Provides better coverage of the logical paths through the code

**Question 9****1 / 1 point**

According to Kinser, code reviews (when done correctly) can find problems in the code faster than unit testing

- ☒ True
- ☐ False

**Question 10****1 / 1 point**

Pair Programming (when done correctly) is a form of code review

- ☒ True
- ☐ False

**Question 11****1 / 1 point**

Having everyone use the same coding standard... (check all that apply)

- ☐ Helps in long term maintenance of the code
- ☐ Helps you avoid common mistakes
- ☐ Helps you understand someone else's code more quickly
- ☐ Helps in resolving merge conflicts

**Question 12****1 / 1 point**

Coding without a standard is like driving without following the rules of the road

☐ True☐ False**Question 13****1 / 1 point**

You know you are done with implementation when .... (check all that apply)

- ☐ You run out of things to code
- ☐ You run out of time
- ☐ You got it to work on your computer
- ☐ All the unit tests passed
- ☐ None of the above

**Question 14****1 / 1 point**

All human inputs into a solution should be handled using

- ☐ Error Handling
- ☐ Exception Handling

**Question 15****1 / 1 point**

Match the following with the appropriate description:

- |                          |   |
|--------------------------|---|
| __1__ Error Handling     | 1. Possible error path that is probable   |
| __2__ Exception Handling | 2. Possible error path that is improbable |

Done