

Started on Saturday, 11 November 2023, 1:26 PM**State** Finished**Completed on** Saturday, 11 November 2023, 1:29 PM**Time taken** 2 mins 48 secs**Question 1**

Correct

Marked out of 1.00

Which of the following statements about Testing in C# with NUnit is/are correct?

- ☐ a. NUnit is the basis of JUnit (JUnit was initially ported from NUnit)
- ☒ b. NUnit was initially ported from JUnit ✓
- ☐ c. NUnit is a unit-testing framework especially of C# (other .Net languages are not supported)
- ☒ d. NUnit is open source software ✓
- ☐ e. NUnit is proprietary software
- ☒ f. NUnit is a unit-testing framework for all .Net languages ✓

Question 2

Correct

Marked out of 1.00

Which of the following statements/slogans refer(s) to validation (and not to verification)?

- ☐ a. "Are we building the product right?"
- ☐ b. The software should conform to its specification
- ☒ c. The software should do what the user really requires ✓
- ☒ d. "Are we building the right product?" ✓

Question 3

Correct

Marked out of 1.00

Which of the following statements about defect testing is/are correct?

- ☐ a. The test cases for defect testing reflect the system's expected use
- ☐ b. The test cases for validation testing and defect testing are usually identical
- ☒ c. The test cases for defect testing do not need to reflect how the system is normally used ✓
- ☒ d. The test cases for defect testing are designed to expose undesirable system behavior ✓

Question 4

Correct

Marked out of 1.00

Which of the following is *not* part of development testing?

- ☐ a. Unit testing
- ☐ b. Component testing
- ☒ c. Acceptance testing ✓
- ☒ d. Release testing ✓
- ☒ e. User testing ✓

Question 5

Correct

Marked out of 1.00

Which of the following statements about test driven development is/are correct?

- ☐ a. Drawback: When a test fails, it is usually harder to find its source
- ☒ b. Advantage: When a test fails, it is usually easy to find its source ✓
- ☐ c. Drawback: Detailed documentation needs to be written after the release
- ☒ d. Drawback: If tests fail it may slow down development (although it should be faster in the long run) ✓
- ☐ e. Drawback: Can only be used in plan-driven development processes (but not in agile processes)

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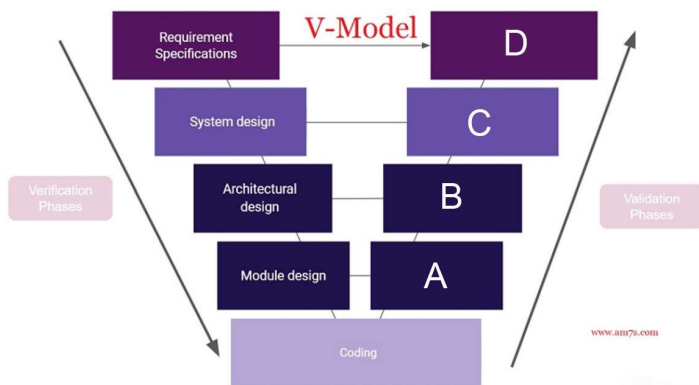
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Question 1

Correct

Marked out of 1.00

Select the correct assignment of tests to the V-Model.



- ☐ a. (from A to D) Component Tests, Architecture Tests, Acceptance Tests, Release Tests
- ☐ b. (from A to D) Unit Tests, Integration Tests, System Tests, User Tests
- ☐ c. (from A to D) Release Tests, Unit Tests, Integration Tests, User Tests
- ☒ d. (from A to D) Unit Tests, Integration Tests, System Tests, Acceptance Tests ✓
- ☐ e. (from A to D) Release Tests, Architecture Tests, Integration Tests, Acceptance Tests
- ☐ f. (from A to D) Component Tests, Unit Tests, Acceptance Tests, Release Tests

Question 2

Correct

Marked out of 1.00

Which of the following statements about software inspections and testing is/are correct?

- ☐ a. Testing and inspections are opposing verification techniques
- ☒ b. Testing can check non-functional characteristics such as performance, usability, etc. ✓
- ☒ c. Testing is concerned with exercising and observing product behavior ✓
- ☒ d. Testing and inspections should both be used during the V & V process ✓
- ☒ e. Testing can check conformance with the customer's requirements ✓
- ☐ f. Inspections cannot check conformance with a specification

Question 3

Correct

Marked out of 1.00

Which of the following statements about software testing (product testing) in general is/are correct?

- ☐ a. Software testing can reveal the absence of errors
- ☐ b. Software testing is a simple task that can be done on the fly (during development)
- ☒ c. Software testing can be used to demonstrate that the software meets its requirements ✓
- ☐ d. Software testing should be avoided because it may only break the product
- ☐ e. Generic software products are generally easier to test than custom software

Question 4

Correct

Marked out of 1.00

Which of the following statements about software testing is/are correct?

- ☒ a. In an automated testing process, regression testing is simple and straightforward ✓
- ☒ b. Regression testing is used to confirm that a recent program or code change does not affect existing features negatively ✓
- ☒ c. A testing technique especially used to test behavior with mocked components is called "top-down integration testing" ✓
- ☐ d. In an automated testing process, regression testing is expensive
- ☐ e. The ABC (Assert, Bind, Compile) pattern is a common way of writing unit tests for a method under test

Question 5

Correct

Marked out of 1.00

Which of the following statements about unit testing is/are correct?

- ☒ a. Unit tests should have no dependencies ✓
- ☒ b. There should be at least two unit test cases for each requirement: one positive test and one negative test ✓
- ☐ c. Unit tests need to be run manually
- ☐ d. Unit tests aim at testing combinations of several units of the software together
- ☒ e. Developers are usually the "testers" of unit tests ✓