# Week 7 - Quiz

- Due Sep 14 at 23:59
- Points 15
- Questions 15
- Available Sep 13 at 0:00 Sep 14 at 23:59
- Time Limit None
- Allowed Attempts 2

# Instructions

This is the **seventh** weekly quiz.

Keep in mind that the quizzes do not directly contribute to your marks (except through your participation mark). This is so that you can feel free to actually use them to self-assess your progress and see how you are doing. This, of course, doesn't mean that you should ignore them. Indeed, they are a very important way for you to obtain feedback on how you are doing.

This quiz was locked Sep 14 at 23:59.

# **Attempt History**

	Attempt	Time	Score
KEPT	Attempt 2	29 minutes	13.25 out of 15
LATEST	Attempt 2	29 minutes	13.25 out of 15
	Attempt 1	26 minutes	10.58 out of 15

Score for this attempt: 13.25 out of 15

Submitted Sep 14 at 13:21 This attempt took 29 minutes.

Question 1 0.83 / 1 pts

There are many different types of testing that you can use to make sure your code is working as expected.

Match the tiers of testing to the correct definition

#### You Answered

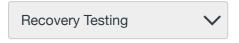
Measuring the latency or throughput of your application or service.



### Performance Testing

#### Correct!

Tests if the application or system can recover from crashes and how well it recovers.



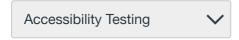
#### Correct!

Testing for known vulnerabilities in your service or application.



#### Correct!

Testing whether the product/software is accessible and usable for everyone, including people with a wide range of disabilities.



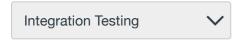
#### Correct!

Tests that check basic functionality of the application.



### Correct!

Tests if the combined modules work together or not.



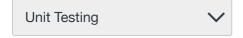
### Correct!

Tests that focus on the business requirements of an application.



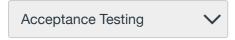
#### Correct!

Testing each component or module of your software



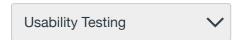
#### Correct!

Formal tests executed to verify if a system satisfies its business requirements.



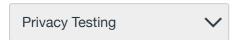
#### Correct!

Testing for user friendliness.



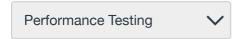
#### Correct!

Assessing and mitigating privacy risks in the product.



### You Answered

Testing your application or service under higher and higher load.



### Load and Scalability Testing

### Question 2

1 / 1 pts

Is the following statement true or false. "You need to preform more integration testing than unit testing".

True

Correct!



## Question 3

0.75 / 1 pts

Which of the following is true about automated tests? (Select all that are applicable).

Correct!

- Tests vary in complexity
- Performed by people

Correct!

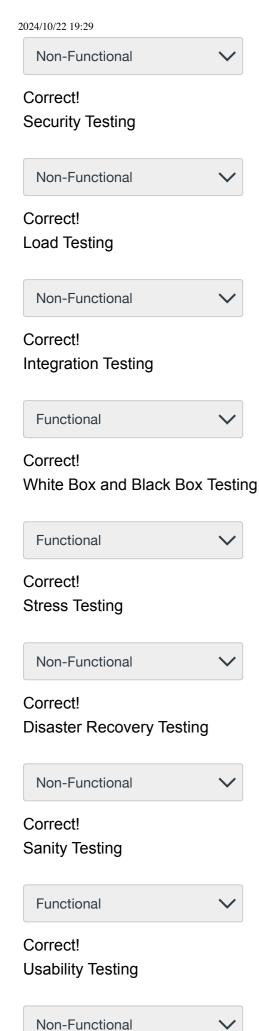
Executes test scripts that have been written in advance

You Answered
The quality of the tests depend on how much the tests cover Correct!
The quality of the tests depend on how well the scripts have been written Correct!
Performed by machines
All tests are very complex
Question 4
1 / 1 pts
Is the following statement true or false "Manual testing is completed in person by navigating through
the application or interacting with the software".
Correct!
True
○ False
Question 5
0.67 / 1 pts
Performance testing covers which of the following? (Select all that are applicable).
Accessibility  Ourse of Annual P
Correct Answer
Availability
Correct!
Reliability
Correct!
Stability Stability
Usability
Security
Question 6
1 / 1 pts  Fill in the blank to complete the statement. "Automated testing is expensive than
Fill in the blank to complete the statement "Automated testing is expensive than manual testing".
Correct!
Less
O More
iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
Question 7
1 / 1 pts
Is the following statement true or false "An example of the difference between integration testing and

functional testing is that a functional test may simply verify that you can query the database while an

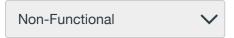
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integration test would get a specific value from the database as defined by the product requirements."
True Correct!
<ul><li>False</li></ul>
Question 8
1 / 1 pts
Is the following statement true or false "End-to-end testing replicates a user behaviour with the
software in a complete application environment and verifies that various user flows work as
expected"
Correct!
True
○ False
Question 9
1 / 1 pts
Which of the following <b>are true</b> for testing? (Select all that are applicable).  Correct!
Shows the presence of defects
Exhaustive testing is possible
Correct!
☑ Test cases should be reviewed and updated on a regular basis
☐ The cost of fixing a bug decreases if the bug is found later in the development lifecycle
Larger modules contain the most defects
Question 10
1 / 1 pts
Software testing is generally classified into two main broad categories: functional testing and non-functional testing.
Match the following to the correct category of testing.
Correct!
Unit Testing
Functional
Correct!
Performance Testing



#### Correct!

### Scalability Testing



See <a href="https://u-tor.com/topic/functional-vs-non-functional">https://u-tor.com/topic/functional-vs-non-functional</a> (<a href="https://u-tor.com/topic/functional-vs-non-functional-vs-n

Question 11

0 / 1 pts

Which of the following are responsibilities of a Test Analyst? (Select all that are applicable).

You Answered

Conducts exploratory testing.

You Answered

Tests software to detect bugs and errors

Correct Answer

Decides what to test and how.

Prepares test strategy and defines the scope of work.

Correct Answer

Project Documentation

Question 12

1 / 1 pts

Software testing teams use a wide range of tools to support the day to day work. Which of the following are tools that may be used by a software testing team? (Select all that are applicable).

Correct!

Communication Tools

Correct!

Analytic Tools

Correct!

Project Management Tools

Correct!

Reporting and Documentation Tools

Correct!

Test Management Tools

Question 13

1 / 1 pts

Based on the Week 7 lecture 'Test Management' what is the purpose of 'Stress Testing'?

Correct!

- Stressing the system to breaking point to determine whether the breakdown is potentially harmful.
- Exposing problems such as memory leaks or stack overflows.

None of the options are correct.

Modelling the expected usage of a software program by simulating multiple users accessing the program concurrently.

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Question 14

1 / 1 pts

Based on the *Week 7 lecture 'Test Management'* match the definitions and descriptions to the correct test type.

Correct!

To ensure that each component behaves 'correctly'.



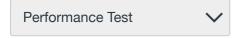
#### Correct!

To ensure that the user requirements have been met.



#### Correct!

To test system performance under maximum expected load.



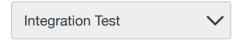
### Correct!

To ensure that system is stable over extended period.



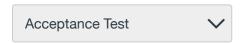
### Correct!

To test interaction between related components.



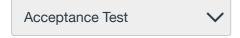
#### Correct!

Compares system functionality against agreed-on user requirements



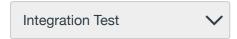
### Correct!

Carried out by client using scenarios, supervised by developer.



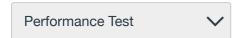
#### Correct!

Focuses on interfaces between components.



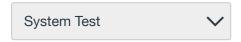
#### Correct!

Simulates key processes under maximum load.



#### Correct!

Focuses on usual business processes, and normal workflow.



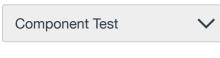
### Correct!

Load increased until system fails. Checks effects of over-load.



#### Correct!

Uses white-box testing to check each program function fully.



### Question 15

### 1 / 1 pts

Based on the Week 7 lecture 'Test Management' what are some problems of testing?

- Performance testing had not anticipated the level of user load.
- The functionality of the system had been tested, but not under load.

#### Correct!

- All options are correct
- Nobody knew that the system would fail completely under pressure.

Quiz Score: 13.25 out of 15