



**Vendor:** Microsoft

**Exam Code:** 98-379

**Exam Name:** Software Testing Fundamentals

**Version:** DEMO

## QUESTION 1

Drag and Drop Question

Match each status to its test step. To answer, drag the appropriate status from the column on the left to its test step on the right. Each status may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area				
	Test Step	Expected Result	Actual Result	Status
Pass	Enter 1899 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	Proper prompt is displayed; Response time: 500 ms	
Fail – Performance error	Enter 1948 in the birth year field	"65" is displayed in the Age field; Response time less than 1 sec	"65" is displayed in the Age field; Response time: 1500 ms	
Fail – Constraint error	Enter 2033 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	"-20" is displayed in the Age field; Response time: 750 ms	
Fail – Logic error	Enter "AAAA" in the birth year field	Prompt is displayed: "Please enter a valid year"; Response time less than 1 sec	Proper prompt is displayed; Response time: 300 ms	

Answer:

Answer Area				
	Test Step	Expected Result	Actual Result	Status
Pass	Enter 1899 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	Proper prompt is displayed; Response time: 500 ms	Pass
Fail – Performance error	Enter 1948 in the birth year field	"65" is displayed in the Age field; Response time less than 1 sec	"65" is displayed in the Age field; Response time: 1500 ms	Fail – Performance error
Fail – Constraint error	Enter 2033 in the birth year field	Prompt is displayed: "Valid birth years are from 1900 to 2013"; Response time less than 1 sec	"-20" is displayed in the Age field; Response time: 750 ms	Fail – Constraint error
Fail – Logic error	Enter "AAAA" in the birth year field	Prompt is displayed: "Please enter a valid year"; Response time less than 1 sec	Proper prompt is displayed; Response time: 300 ms	Fail – Logic error

## QUESTION 2

This question requires that you evaluate the underlined text to determine if it is correct.

Bug tracking is the process of assigning severity and priority to a reported bug.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Logging

- C. Resolution
- D. Triage

**Answer: D**

### QUESTION 3

Hotspot Question

You are asked to train an intern to create bug reports by using Team Foundation Server (TFS). You review the following bug report your intern created:

Title:  
State not displaying

STATUS		CLASSIFICATION		PLANNING	
Assigned To:		Area:		Severity:	Sev 2
State:	Reviewing	Regression:	\Release	Priority:	2
Reason:	Not fixed	Application:	Browse	Need By Date:	
On Hold?:	No	Type:		Stack Rank:	
Blocked By:		Test Type:	Automated	Release:	
Blocking:		Found During:	Beta Testing		
		Performance Defect:			
		Business Program:			

REPRO STEPS   SYSTEM INFO   ROOT CAUSE DETAILS   FIX   OTHER   USER DEFINED FIELDS   HISTORY/COMMENTS   TEST

Repro Steps:  
Segue UI

When selecting United States from the country drop down, the states do not populate. Choosing other countries (UK, Canada, etc.) works fine.

History:  
Type your comment here.

DISCUSSION ONLY   ALL C

When this bug occurs, the user cannot continue using the application. Use the drop-down menus to complete each statement. Each correct selection is worth one point.

### Answer Area

The most likely cause of this defect is a/an ... issue.

data  
environment  
security  
user interface

The Blocking: field should be set to ...

Yes  
No

**Answer:**

**Answer Area**

The most likely cause of this defect is a/an ... issue.

data

environment

security

user interface

The Blocking: field should be set to ....

Yes

No

**QUESTION 4**

You use Microsoft Test Manager to test a solution.

Which two statements about using test cases in Microsoft Test Manager are correct? (Choose two.)

- A. You can share steps between different test cases.
- B. You need to add all fields to a test case when you create the test case.
- C. You must define test cases by using Microsoft Test Manager.
- D. You can add attachments and hyperlinks to test cases.

**Answer:** AD

**Explanation:**

[http://msdn.microsoft.com/en-us/library/vstudio/dd380712\(v=vs.110\).aspx](http://msdn.microsoft.com/en-us/library/vstudio/dd380712(v=vs.110).aspx)

**QUESTION 5**

When you log a bug, which two items should you include in the bug report to reproduce the bug? (Choose two.)

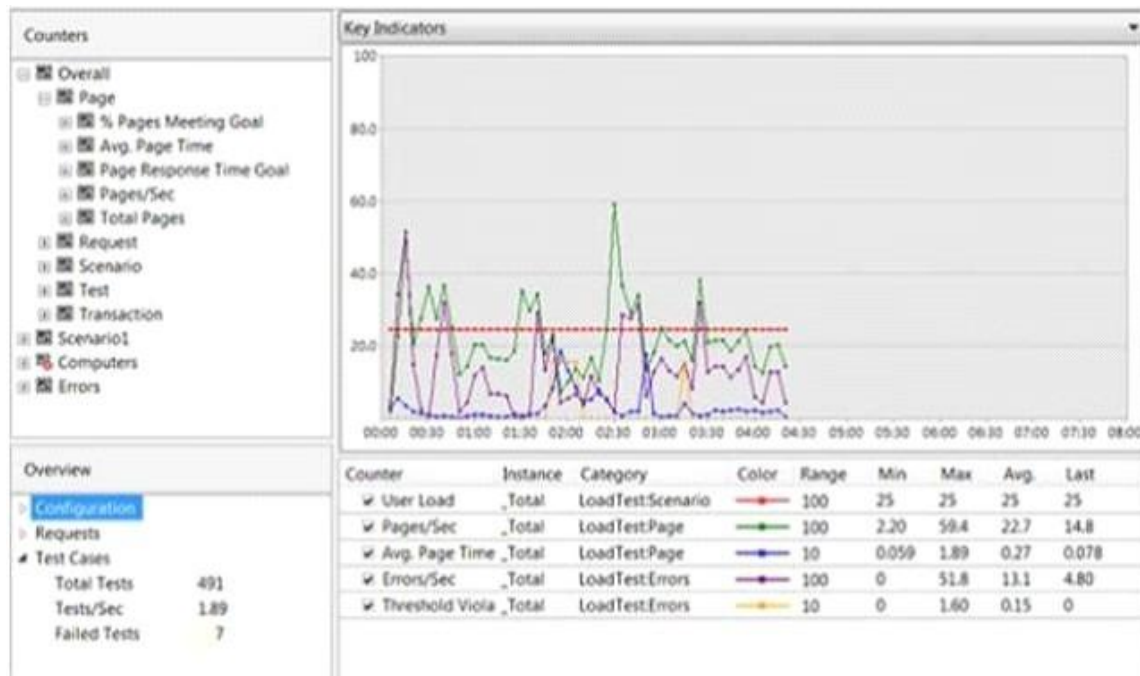
- A. The actions leading up to the bug
- B. The author of the code
- C. A description of the actual results
- D. The severity of bug

**Answer:** AB

**QUESTION 6**

Hotspot Question

You run a load test in Microsoft Test Manager. You monitor performance counters by using the Load Test Analyzer. The following graphic displays representative data:



Use the drop-down lists to complete each statement. Each correct selection is worth one point.

### Answer Area

The load test uses the ... pattern.

▼

step  
constant  
goal-based

In general, the percentage of errors per second ... as the number of pages rendered increases.

▼

decreases  
increases  
remains the same

**Answer:**

### Answer Area

The load test uses the ... pattern.

step  
constant  
goal-based

In general, the percentage of errors per second ... as the number of pages rendered increases.

decreases  
increases  
remains the same

### QUESTION 7

This question requires that you evaluate the underlined text to determine if it is correct.

Severity describes how much a defect affects an application.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Effect level
- C. Scope
- D. Priority

**Answer:** A

### QUESTION 8

You need to show the rolling average of the number of bugs that the testing team has opened, resolved, and closed.

Which report should you show?

- A. Bug trend
- B. Build quality indicators
- C. Bug status
- D. Burn rate

**Answer:** A

### QUESTION 9

This question requires that you evaluate the underlined text to determine if it is correct.

Bug convergence is the point at which the number of bugs resolved exceeds the number of bugs found.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Baseline

- C. Burndown
- D. Code coverage

**Answer: A**

#### **QUESTION 10**

How many test plans are created in projects that use an agile methodology?

- A. One master test plan and one test plan for each sprint
- B. One test plan for each sprint
- C. One master test plan
- D. Multiple test plans for each sprint

**Answer: A**

#### **QUESTION 11**

As part of a development team in a test-driven development environment, you are given the requirements for a new software system. What should you do first?

- A. Implement the system in the code.
- B. Write a user story for the system.
- C. Run all existing test cases to validate they succeed.
- D. Write a test case for the new system.

**Answer: D**

#### **QUESTION 12**

This question requires that you evaluate the underlined text to determine if it is correct.

In a use case diagram, the association between an actor and a use case can show a generalization at each end.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Alternative
- C. Multiplicity
- D. Subsystem boundary

**Answer: C**

#### **QUESTION 13**

This question requires that you evaluate the underlined text to determine if it is correct.

Fault tolerance is a redundancy technique that completely hides errors within a set of redundant modules.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed

- B. Fault masking
- C. Exception handling
- D. Regression testing

**Answer: B**

#### QUESTION 14

A system has the following requirement:

Patients should be sent to the Emergency Room if their respiratory rate is  $\geq 20$  and their age is  $\geq 65$ .

How many test cases should you write to test all combinations of conditions?

- A. 0
- B. 2
- C. 4
- D. 9

**Answer: D**

#### QUESTION 15

Drag and Drop Question

You create work items to test the features of an application.

Match each work item type to its description. To answer, drag the appropriate work item type from the column on the left to its description on the right. Each work item type may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area	
Work Item Type	Description
bug	potential problems that exist in the code
feature	additional or new functionality that is added to the project
task	communicates the need to do some work
test case	

**Answer:**



Answer Area		
	Work Item Type	Description
bug	bug	potential problems that exist in the code
feature	feature	additional or new functionality that is added to the project
task	task	communicates the need to do some work
test case		

#### QUESTION 16

Drag and Drop Question

Match each diagram to its description in the requirements model. To answer, drag the appropriate diagram from the column on the left to its description on the right. Each diagram may be used once, more than once, or not at all. Each correct match is worth one point.

Answer Area		
	Diagram	Description
Activity Diagram		who uses the system and what they do with it
Use Case Diagram		glossary of types that are used to describe the requirements; the types visible at the system's interface
Sequence Diagram		flow of work and information between activities performed by users and a system or its parts
Conceptual Class Diagram		sequence of interactions between users and a system or its parts

Answer:

Answer Area		
	Diagram	Description
Activity Diagram	Use Case Diagram	who uses the system and what they do with it
Use Case Diagram	Conceptual Class Diagram	glossary of types that are used to describe the requirements; the types visible at the system's interface
Sequence Diagram	Activity Diagram	flow of work and information between activities performed by users and a system or its parts
Conceptual Class Diagram	Sequence Diagram	sequence of interactions between users and a system or its parts

#### QUESTION 17

This question requires that you evaluate the underlined text to determine if it is correct.

A user story is a documented set of steps that determine if a particular feature of an application is performing properly.

Select the correct answer if the underlined text does not make the statement correct. Select "No

change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Test case
- C. Test report
- D. Test suite

**Answer: B**

#### QUESTION 18

This question requires that you evaluate the underlined text to determine if it is correct.

You are creating a performance test plan.

The first step is to design tests.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

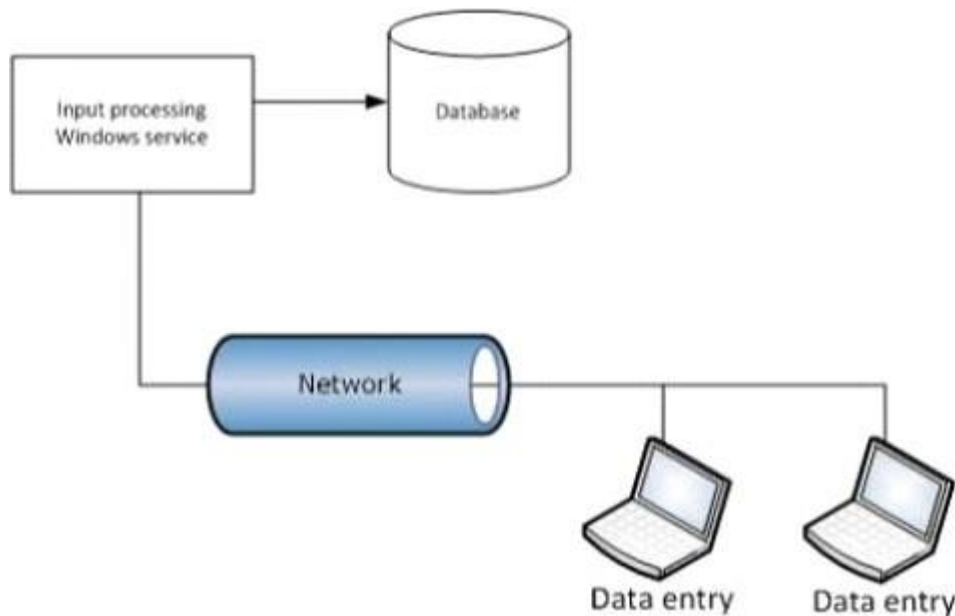
- A. No change is needed
- B. Define the acceptance criteria
- C. Inspect the application code
- D. Run the application

**Answer: B**

#### QUESTION 19

Hotspot Question

You develop an application to collect and record the grades for students at your university. The application interacts with data entry systems over the Internet as described in the following diagram.



Use the drop-down menus to complete the statements. Each correct selection is worth one point.

Answer Area

Input data arriving at the input processing Windows service is received from the ...

network  
database  
data entry notebook

Transient network failures can occur between ...

instances of the data entry application  
the input processing Windows service and the database  
the data entry application and the input processing Windows service

**Answer:**

Answer Area

Input data arriving at the input processing Windows service is received from the ...

network  
database  
data entry notebook

Transient network failures can occur between ...

instances of the data entry application  
the input processing Windows service and the database  
the data entry application and the input processing Windows service

**QUESTION 20**

This question requires that you evaluate the underlined text to determine if it is correct. Test-driven development is a feature of certain forms of waterfall software development lifecycles. Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

- A. No change is needed
- B. Agile
- C. Spiral
- D. Top-down

**Answer: B**

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