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**NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Software Testing (course)**


## Course outline

How does an NPTEL online course work?

### Pre-requisite Assignment

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

- ☐ Testing of web Applications and Web

# Week 10: Assignment 10

The due date for submitting this assignment has passed.

**Due on 2021-10-06, 23:59 IST.**

Assignment submitted on 2021-10-06, 23:40 IST

1) Which of the following best represents the checking of static websites?

**1 point**

- ☐ Testing involves checking if the underlying HTML files are correct.
- ☒ Testing involves checking for dead links and checking if all links are valid.
- ☐ Testing involves checking for the usability of the website.
- ☐ Testing involves checking if the content given in the website is correct.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Testing involves checking for dead links and checking if all links are valid.*

2) Which of the following is a typical example of a dynamic web page?

**1 point**

- ☐ The website of a university department giving details regarding the courses, faculty, facilities etc.
- ☒ The website of an application portal for filling application forms for degree programs.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*The website of an application portal for filling application forms for degree programs.*

3) Which of the following best describes bypass testing?

**1 point**

- ☒ It is a client side testing technique where test cases are chosen to violate constraints on the inputs that are checked by a client application.

Services (unit?  
unit=79&lesson=80)

☐ Testing of web  
Applications  
and Web  
Services (unit?  
unit=79&lesson=81)

☐ Testing of web  
Applications  
and Web  
Services (unit?  
unit=79&lesson=82)

☐ Testing of  
Object-  
Oriented  
Applications  
(unit?  
unit=79&lesson=83)

☐ Testing of  
Object-  
Oriented  
Applications  
(unit?  
unit=79&lesson=84)

☐ Week 10  
Feedback  
Form:  
Software  
Testing (unit?  
unit=79&lesson=85)

☐ Practice: Week  
10:  
Assignment 10  
(Non Graded)  
(assessment?  
name=119)

☒ **Quiz: Week  
10:  
Assignment  
10  
(assessment?  
name=133)**

**Week 11**

**Week 12**

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☐ It is a server side testing technique where test cases are chosen to violate constraints on the inputs that can be ignored by the server.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*It is a client side testing technique where test cases are chosen to violate constraints on the inputs that are checked by a client application.*

4) Which of the following lists constraints that cannot typically be checked by just using **1 point** HTML?

- ☐ Constraints involving POST/GET transfer modes and constraints on the length of input.  
☒ Constraints involving inter-dependent values and the format of input data.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Constraints involving inter-dependent values and the format of input data.*

5) State true or false: Client-side test cases are designed such that the server can ignore the wrong inputs generated by clients. **1 point**

- ☒ True  
☐ False

No, the answer is incorrect.

Score: 0

Accepted Answers:

*False*

6) Which of the following is a list of transitions between components in a component interaction model involved in server side testing? **1 point**

- ☐ Transitions that deal with invalid user inputs.  
☐ Transitions between atomic sections.  
☐ Transitions from one page to another by clicking of hyperlinks.  
☒ Simple link transition, form link transition, operational transition.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Simple link transition, form link transition, operational transition.*

7) Which of the following describes a fault in which an overriding method defines the same state variables that the overridden method defines but the computations by the two methods are not the same. **1 point**

- ☐ State definition inconsistency anomaly.  
☒ State defined incorrectly fault.  
☐ Method defined incorrectly anomaly.  
☐ State visibility anomaly.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*State defined incorrectly fault.*

8) Which of the following defines the nodes of a yo-yo graph? **1 point**

- ☐ Nodes of a yo-yo graph are the classes of the inheritance hierarchy.
- ☒ Nodes of a yo-yo graph are the methods of different classes, one node for each of the new, inherited and overridden methods.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Nodes of a yo-yo graph are the methods of different classes, one node for each of the new, inherited and overridden methods.*

9) Which of the following best defines the edges of a yo-yo graph?

**1 point**

- ☐ Edges of a yo-yo graph are the method calls among methods of different classes.
- ☐ Edges of a yo-yo graph are among classes at different levels of inheritance.
- ☐ Edges of a yo-yo graph are from a caller method to a callee method.
- ☒ Edges of a yo-yo graph are of two kinds— the actual method calls and the calls that cannot be made due to overriding.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Edges of a yo-yo graph are of two kinds— the actual method calls and the calls that cannot be made due to overriding.*