Assessment sub

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

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Thank you for taking the Week 10 : Assignment 10.

Week 10 : Assignment 10

Your last recorded submission was on 2022-10-05, 19:14 Due date: 2022-10-05, 23:59 IST. IST

1) Which of the following features of static websites are tested using graphs?   *1 point*

   ⦿ We check if all the connections are valid and if there are any dead links.
   ◯ We check if all the information given is correct in each of the linked web pages.

2) While testing web applications, which of the following is true regarding client-side   *1 point*
vs. server-side testing?

   ⦿ Client and server are separated and testers typically don't have access to the server code.
   ◯ Testers have equal accesss to the client code and server code eventhough they are separated.

3) State yes or no: It is possible to generate all the input screens that are passed to a   *1 point*
web application.

   ◯ Yes.
   ⦿ No.

4) Which of the following is a list of techniques that can be used to provide test values *1 point*
to a web application?

   ◯ Generate values automatically using an appropriate algorithm.
   ⦿ Request user to supply inputs.
   ◯ Random choice, user session data, construct based on the domain of application.
   ◯ Generate inputs randomly and then choose based on the application.

5) Which of the following features can be checked using HTML without the need to   *1 point*
write extra scripting constraints?

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

Assessment submitted.
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◉ Change of transfer mode, checking for length of input and checking against a list of pre-defined values.

◯ Change of transfer mode and change of data type of input.

◯ Checking of inter-dependency of input values.

◯ Checking for length of input and also the data type.

6) Is a control graph model useful for testing system level properties of web applications? **1 point**

◯ Yes.

◉ No.

7) Which of the following is a complete list of operators that are used in component expressions? **1 point**

◯ Sequencing and selection.

◯ Iteration and selection.

◯ Sequencing, iteration and selection.

◉ Sequencing, iteration, selection and aggregation.

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.

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 either the actual method calls or the calls that cannot be made due to overriding.

10) State true or false: All the faults in object-oriented programs can be determined statically. **1 point**

◯ True.

◉ False.

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers