**Software Testing Assignment**

**Module - 4 Automation Core Testing (Load Runner Up Selenium IDE)**

**1)..Which components have you used in Load Runner?**

### Ans. Virtual User Generator: VuGen is LoadRunner's first component to create, validate, and modify scripts. VuGen allows the user to record the application's flow that needs to be tested for load testing. VuGen allows users to set checkpoints, data parameterization, think times, and clocks, which help to record user behavior in the user's application and support load testing.

### Controller: The controller is the second LoadRunner component, which generates ‘x’ amount of user load for the user's application. The controller also monitors web, app and database servers during load testing. Users can add multiple charts, such as response time charts, resource monitors, throughput, hits per second, Etc.

### Analysis: This component of LoadRunner is used to create performance reports. The user has completed execution in the controller. Analytics create performance reports in various formats for egg, HTML, Excel, Word PDF, or custom format. Users can add or combine multiple charts and filter charts based on user criteria.

**2). How can you set the number of Vusers in Load Runner?**

Ans. When Creating Scenario in Controller we have to add the particular script which we want to run. There we have to set the number of Vusers to run for that script. but you have to add Vusers depending on the ur LoadRunner license for how many Vusers it supports.

**3). What is Correlation?**

Ans. The process of capturing and storing the dynamic response from the server and passing it on to sub sequent requests.

**4). What is the process for developing a V user Script?**

Ans. Step 1- Record the V user Script.

Step 2- Playback and improve the recorded v user script.

Step 3- Define and test the different run-time parameters.

Step 4- Use the script in a LoadRunner scenario

**5). How Load Runner interacts with the application?**

Ans Load Runner is a software testing tool from Micro Focus. It is used to test applications, measuring system behavior and performance under load. Load Runner can simulate thousands of users concurrently using application software, recording and later analyzing the performance of key components of the application.

**6).** How many V-Users are required for load testing?

Ans. Minimum 10 users for load testing.

**7).** what is the relationship between Response Time and Throughput?

Response time: This is the time difference between submissions of a request until the response begins to be received. The response time should be as low as possible so that a large number of interactive users receive an acceptable response time.

Throughput: The number of processes that are completed per unit time is called the throughput.

**8). what is the difference between hits second and requests second?**

Ans. Hits per second means the number of hits the server receives in one second from the vuser. Request per second is the number of request the v-user will request from the server.

9). **To test the Performance testing on “Tops Technolog**

[**Session1**](file:///E:\Session1)

**10) Which Are The Browsers Supported By Selenium Ide?**

Ans. Google Chrome and Mozilla Firefox both browser supported

**11). what is Automation Testing?**

Ans. Automation Testing is a software testing technique that performs using special automated testing software tools to execute a test case suite

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**12). what are the benefits of Automation Testing?**

Ans . 1. Saves Time and Money

2. Increases Test Coverage

3. Improves Accuracy

4. Easy Reporting Makes Life Easier

**13). what are the advantages of Selenium?**

* Very easy to use and install.
* No programming experience is required, through knowledge of HTML and DOM are needed.
* Can export tests to formats usable in Selenium RC and WebDriver
* Has built-in help and test results reporting module. Provides support for

**14). Why testers should opt for Selenium and not QTP?**

|  |  |  |
| --- | --- | --- |
| **Sr No** | **Selenium ide** | **QTP** |
| **1** | **It’s open source and free to use** | **It’s not open source** |
| **2** | **It’s highly extensible** | **It’s limited add-ons.** |
| **3** | **It’s supports in all browsers** | **support chrome, Mozilla and explore** |
| **4** | **It’s works in various operating system** |  |

**15).To validate the tops technologies website Contact us page and enter your friend detail at last “Guest Call Back” https://www.tops-int.com/contact-us/**

**1. To use assert**

**2. To use click and wait**

**3. To use locators4. To use other command**

**Ans.**

