Module 4 Assignment

Question 1: What is Automation Testing?

Answer: Test automation is the use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes, the setting up of test preconditions, and other test control and test reporting functions.

Question 2: Which Are the Browsers Supported by Selenium Ide?

Answer: Firefox and Chrome.

Question 3: What are the benefits of Automation Testing?

Answer:

- 70% faster than the manual testing
- Wider test coverage of application features
- Reliable in results
- Ensure Consistency
- Saves Time and Cost
- Improves accuracy
- Human Intervention is not required while execution
- Increases Efficiency
- Better speed in executing tests
- Re-usable test scripts
- Test Frequently and thoroughly
- More cycle of execution can be achieved through automation
- Early time to market

Question 4: What are the advantages of Selenium?

Answer:

- 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 extensions.

Question 5: Why testers should opt for Selenium and not QTP?

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Answer: Selenium, however, supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.

Question 6: 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/

Answer:

https://drive.google.com/file/d/1WJt35w5SNBQt0GQYUqezXkotxgVG-lvP/view?usp=share_link

Question 7: 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/

Answer: NO ANSWER

1. To use assert

2. To use click and wait

3. To use locators

4. To use other common

Question 8: Which components have you used in Load Runner?

Answer:

- **Load Generator**: Generates the load against the application by following scripts
- **VuGen**: (Virtual User Generator) for generating and editing scripts
- **Controller:** Controls, launches and sequences instances of Load Generator - specifying which script to use, for how long etc. During runs the Controller receives real-time monitoring data and displays status.
- **Agent Process**: Manages connection between Controller and Load Generator instances.
- **Analysis**: Assembles logs from various load generators and formats reports for visualization of run result data and monitoring data.

Question 9: How can you set the number of Vusers in Load Runner?

Answer: You can set the number of Vusers in the controller section while creating your scenarios.

Question 10: What is Correlation?

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Answer: Correlation is the capturing of dynamic values passed from the server to the client and back.

Question 11: What is the process for developing a Vuser Script?

Answer:

- Record the Vuser Script.
- Playback and improve the recorded Vuser script.
- Define and test the different run-time parameters.
- Use the script in a LoadRunner scenario.

Question 12: How Load Runner interacts with the application?

Answer: LoadRunner simulates user activity by generating messages between application components or by simulating interactions with the user interface such as key presses or mouse movements

Question 13: How many VUsers are required for load testing?

Answer: 100 Vusers are required for load testing.

Question 14: What is the relationship between Response Time and Throughput?

Answer: Response time and throughput are related. The response time for an average transaction tends to decrease as you increase overall throughput.

Question 15: What is the difference between hits/second and requests/second?

Answer: 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 Vuser will request from the server.

Question 16: create a normal script of above website with correlate using hp default website.

Answer:
https://drive.google.com/drive/folders/1F0pJ4PYoIyDVyRTxGXyXRivc2r7ULShP?usp=share_link

https://drive.google.com/file/d/17O873gvDpVjW4J4lyvNDWv4wzWOg-xOB/view?usp=share_link

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