01-FEB-2020

Playback:

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While script execution tool will interact with AUT and perform operations is called Playback.

Disadvantages:

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- It supports only Firefox and Chrome Browsers

- It is not possible to pass the data/values for a script during runtime.

(i.e. Parameterization) --> Can't go for (for loop) -> 100 pages - retesting not possible

- There is no specific format to get test result and also not possible to save test result

- It's not possible to use loop statements and conditional statements in the script

- There is no exception handling concept

Note:

In present scenario Selenium IDE is not preferred

Q. When can we prefer Selenium IDE?

A. To check Selenium is suitable to automate project or not? (i.e. POC - Proof Of Concept)

- When there is difficulty to identify locater values of Web Element

2. Introduction to Selenium RC

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RC -> Remote Control

-> Selenium RC will support different browsers like Firefox, Chrome, IE, Safari, etc

-> It supports different languages as automation script like Java/Ruby/C#/Perl

-> Selenium RC will use Javascript injections to communicate with Browsers

-> Selenium RC required RC Server/Proxy Server to execute RC scripts

-> Selenium RC is deprecated

Browser FF/Chrome/EE

Selenium RC --------------------

|-----------------------------------| |www.gmail.com |

| ------------------------------- | |------------ |-------------------|

| ------------------------------- | | | Email |

| To enter email | | | Next |

| To click on Next | | |-------------------|

| (Automation Script) | RC Server | | JS |JS

| Java/C#/Python/Ruby |----------| | | |

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| | are blocked )

|-----------------------------------|

| | |

| JS |

| |

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Note:

- Majority of browsers that have javascript injections are blocked due to that reason Selenium RC Scripts are unable to execute on web applications.

3. Introduction to Selenium Grid/Gril-1

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- It is used for parallel execution

- It supports only Selenium RC Scripts

- Selenium Grid also deprecated (Because of Selenium RC)

|------| Test 1

| |------- Test 2

|------| Test 3

Parallel Execution ( Executing on different devices)

============================================================= END OF CLASS========================================================================================