**INDUSTRIAL ASSIGNMENT-11**

List the different testing tools of test

1. Application Tools

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| --- | --- | --- | --- |
| Name | Supported  Platform | Used For | Open Source |
| Selenium | Windows, and  macOS | Web  Automation  Tool | Yes |
| TestLink | Windows Cloud | Test Tool Managemen | Yes |
| LoadRunner | Windows, macOS Load | Load and Performance Testing | No |
| Bugzilla | Windows Linux, macOS | Bug Tracking Test Management  Etc. | Yes |
| Jmeter | Windows , Linux and macOS | API Testing | Yes |

Functional Testing Tools

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| --- | --- |
| Tool | Features / Characteristics |
| Sahi | * It is an open-source and automation testing tool, released under Apache License open source license, used for testing of the web application * Sahi is written in Java and JavaScript and considered for most of the testing techniques * It runs as a proxy server; it is browser-independent. |
| SoapUI | * It is an open-source functional testing tool, used for web application testing. * It is simple and easy to design. * It supports multiple environments, ie, at any instance, the target environment may be set up |
| Watir | * Watir, is an abbreviated form of web application testing in ruby, is an open-source tool for automating web browser./li> * It uses a ruby scripting language, which is concise and easy to use./li> * Watir supports multiple browsers on various platform. |
| Selenium | * The open-source tool, used for functional testing on both web application and applications of the desktop. |

|  |  |
| --- | --- |
|  | * It automates browsers and web application for testing purpose. * It gives the flexibility to customize the automated test case * Provides the advantage of writing test scripts, as per the requirements, using web driver. |
| Canoo WebTest | * An open-source tool for performing functional testing of the web application. * Platform independent. * Easy and fast * Easy to extend to meet growing and incoming requirements. |
| Cucumber | * Cucumber is an open-source testing tool written in Ruby language. This tool works best fur test-driven development. It is used to test many other languages like java, e, and python. Cucumber for testing using some programming |

**3.User Interface Tools**

**1.In-House Device Lab:**

This one should he obvious. Testers can run Ul tests on real devices and verify the software GUL themselves if they have access to an in-house mobile testing lab. Of course, this is woually not an option for individual testers or small orgarúzations because setting up such a lab incurs significant monetary investinent

**2.Cloud-Based UI Testing:**

Of course, this applies to all kinds of software testing. But given the necessity and of cxpanse Ul testing, this deserves special mention. By running Ul tests on a cloud Selenium grid like the one provided by BrowserStack, testers can get quick and accurate results without hosting any on-prenise devices. It allows OS and Android Ul testing on 3000 real browsers and devices

**3. System Testing Tools.**

1. JMeter

2. Gallen Framework

3. Selenium

**4. Acceptance Testing Tools**

**Fitness tool:**

It is a Java tool used as a testing engine. It helps to create tests and record all there results for ar test in a table. Users of the tool enter formatted input and tests created automatically. Then tests executed, and output scturned to the user.

**Watir:**

It is a toolkit to automate browser-based tests during a process of a Liser Acceptance testing. Ruby is a programming language used for inter-process communication between Ruby and Internet Explorer.