# Selenium Challenges

1. Image or text overlapping issue

2. No facility to deal with Captcha, Bar Code

3. Doesn’t support any non web based (Like Win 32, Java Applet, Java Swing, .Net Client Server etc) applications

AutoIT & QTP works for desktop application testing.

4. When you compare selenium with QTP, Silk Test, Test Partner and RFT, there are many challenges in terms of maintainability of the test cases

5. Since Selenium is a freeware tool, there is no direct support if one is in trouble with the support of applications

6. Bitmap comparison is not supported by Selenium

7. Any reporting related capabilities, you need to depend on third party tools

Extent Reports support Selenium

8. You need to learn any one of the native language like (.Net, Java, Perl, Python, PHP, Ruby) to work efficiently

9. Difficult to identify dynamic objects

10. Working with frames

11. Selenium test playback is slow (IDE)

12. JavaScript sandbox, Flash, Applets, Silverlight, and HTML 5’s Canvas all present problems in Selenium

13. Dealing with pop-up windows: Selenium can sometimes fail to record common popups in web apps. The Alert interface brings with it the following commands: void dismiss(), void accept (), getText(), void sendKeys(String stringToSend). The first two basically click on the “cancel” and “OK” buttons respectively on a popup window.

14. Timeout resulting from synchronization problems: One should ideally use selenium.IsElementPresent(locator) to verify that the object is in a loop with Thread.Sleep

15. Testing Flash apps: To automate flash apps with Selenium, one can use Flex Monkium. The application source code must be compiled with the swc files generated by Flex Monkium. Then the app and the Selenium IDE are connected, and the tests can be recorded with IDE.

16. Unexpected error launching Internet Explorer. Browser zoom level should be set to 100% by default for the IE browser to overcome this error

17. Protected Mode must be set to the same valueerror occurs when trying to run Selenium WebDriver on a fresh Windows machine. This issue can be fixed by using capabilities when launching IE

18. Cross Browser Testing Issues

19. Ajax Components