

Report : Automated Integration Testing and playback testing using Katalon Recorder and Selenium Webdriver extension

Repository Link : [RaihanEvan/Selenium-Webdriver-Integration-Testing: SWE 4604 \(github.com\)](https://github.com/RaihanEvan/Selenium-Webdriver-Integration-Testing)

Motivation : For automated testing of web applications, Selenium is a framework that completes the automation testing with an IDE named “Katalon Recorder”.

Implementations of this interface are available for every major browser, including Mozilla Firefox, Google Chrome and Internet Explorer.

Tools : Visual Studio 2019, Google Chrome Browser + Driver , Katalon Recorder IDE

Steps with Screenshots :

- 1) Installed ChromeDriver from (<https://chromedriver.storage.googleapis.com/index.html>) site and included in Windows folder along with adding into environment variables. Also installed the required selenium and NUnit extensions for testing in VS.
- 2) Created a new Console App (C# & .NET Framework) project in Visual Studio 2019
- 3) Added a ITesting.cs class and added provided code from the lab handout where there was a redirected url for EWU result and replaced it with google.com page.
- 4) Then installed katalon Recorder IDE extension from google web store and added it to Chrome browser.
- 5) After that I picked a random website (<http://automationpractice.com/index.php>) and created a new account with random credentials.
- 6) Then started the recording of katalon recorder and captured the whole Sign in and Sign out process [Also recorded]

Included video record file :

[Selenium-Webdriver-Integration-Testing/Test2_Katalon\(VIDEO RECORD\).mp4 at master · RaihanEvan/Selenium-Webdriver-Integration-Testing \(github.com\)](https://github.com/RaihanEvan/Selenium-Webdriver-Integration-Testing/blob/master/Selenium-Webdriver-Integration-Testing/Test2_Katalon(VIDEO%20RECORD).mp4)

- 7) After that, exported the code file as C# format
 - 8) Then created a new test class(both Test1.cs & Test2.cs) in the following project and then built the project and ran the test cases with Test explorer.
 - 9) It was a success and automatically re-ran and played the whole session on its own again.
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