

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

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*Course : SWE 4604*

**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

**Repository Link :**

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

**Steps with Screenshots :**

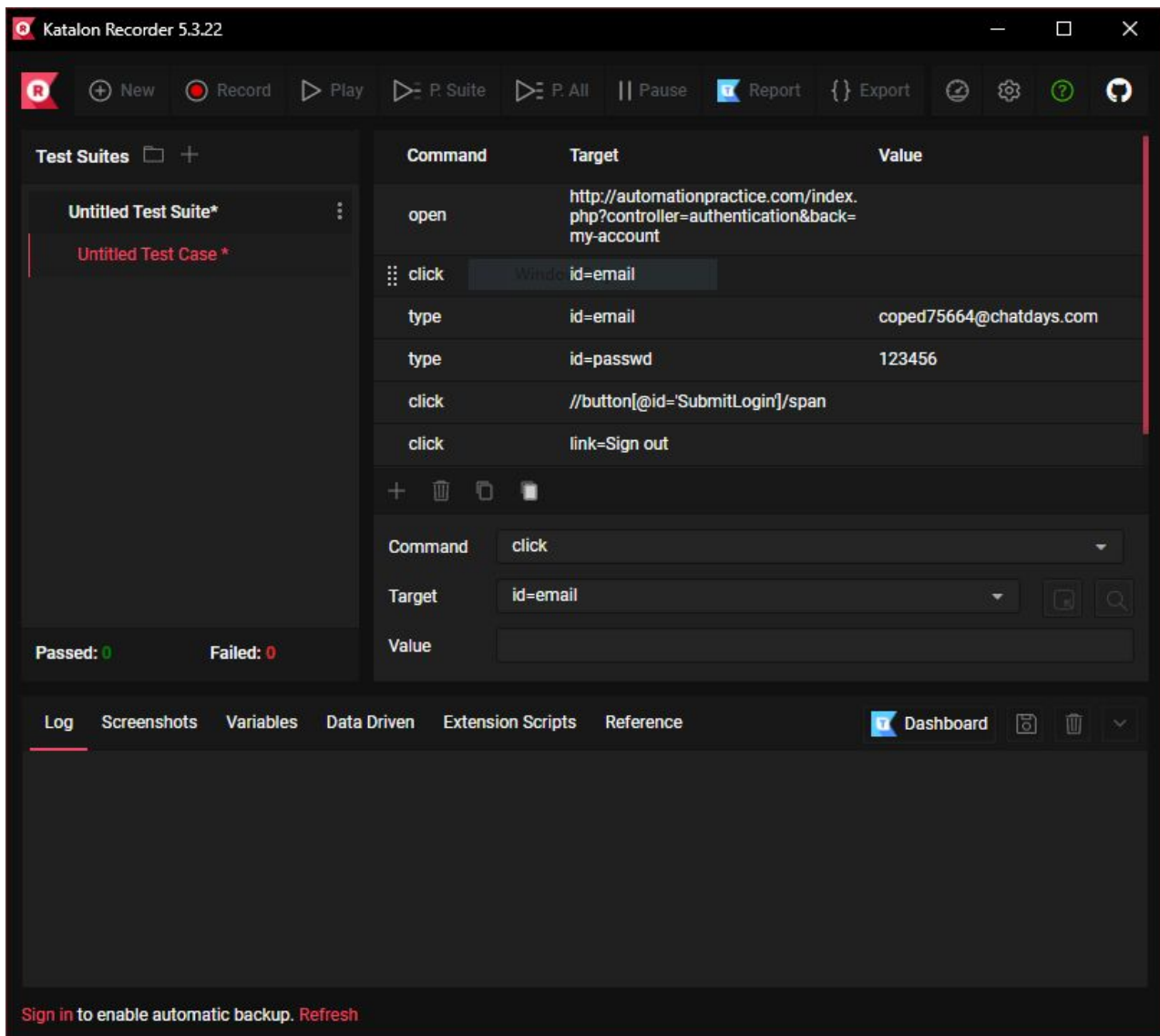
- 1) Installed ChromeDriver from (<https://chromedriver.storage.googleapis.com/index.html>) site and included in Windows folder along with adding into environment variables. Also installed the required selenium and NUnit extensions for testing in VS.
- 2) Created a new Console App (C# & .NET Framework) 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]

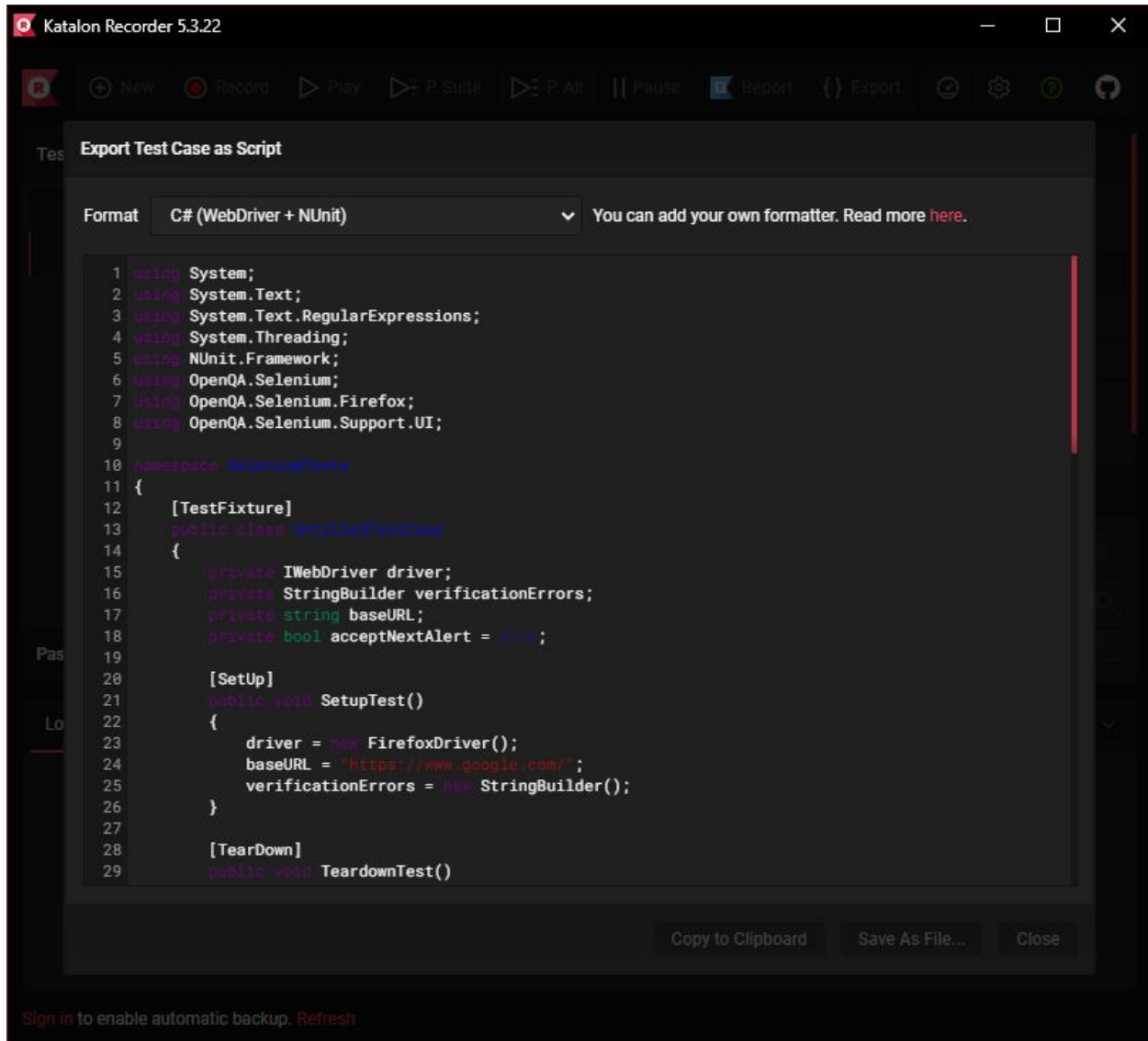
Included video record file :

[Selenium-Webdriver-Integration-Testing/Test2\\_Katalon\(VIDEO RECORD\).mp4 at master ·](#)

[RaihanEvan/Selenium-Webdriver-Integration-Testing \(github.com\)](#)



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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