

Aim: Using Selenium.

Objectives:

- Record and run automated browser tests using Selenium IDE
- Modify test scripts for flexibility and accuracy
- Understand the test creation and execution process

Tools Used: Virtual box, Ubuntu , Selenium.

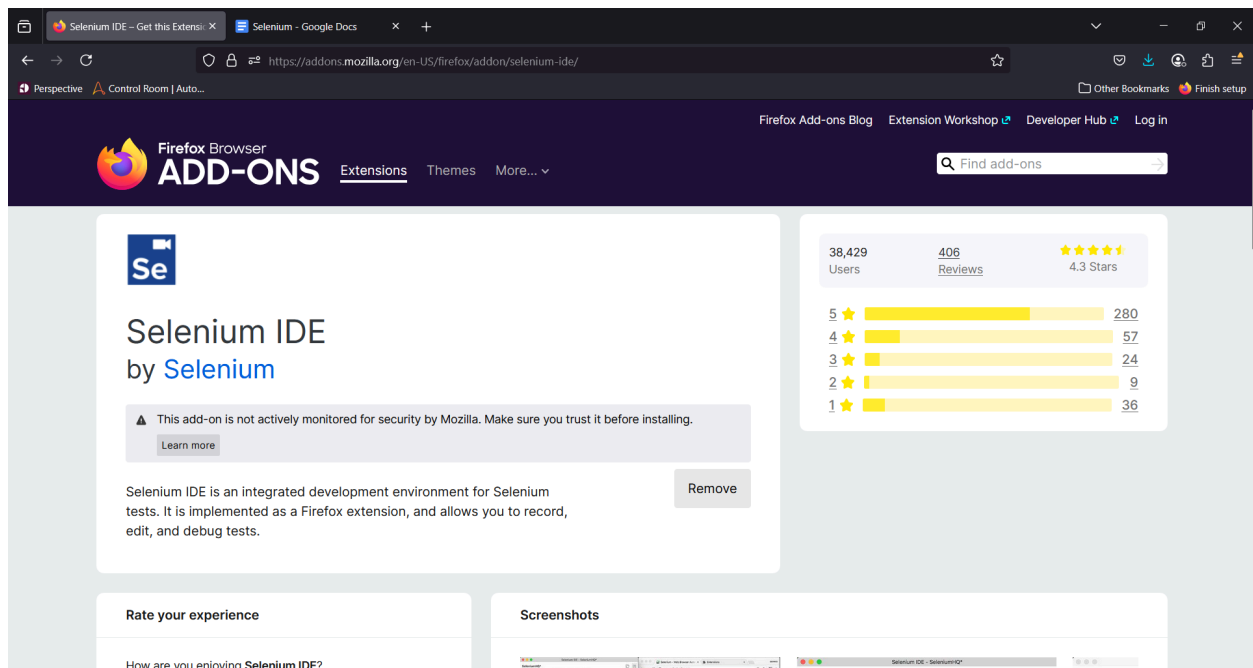
Concepts: Automation Testing, Selenium IDE, Script Recording and Editing, Test Execution

Problem Statement: To automate web application testing using Selenium IDE by recording user actions and modifying test scripts for better test coverage.

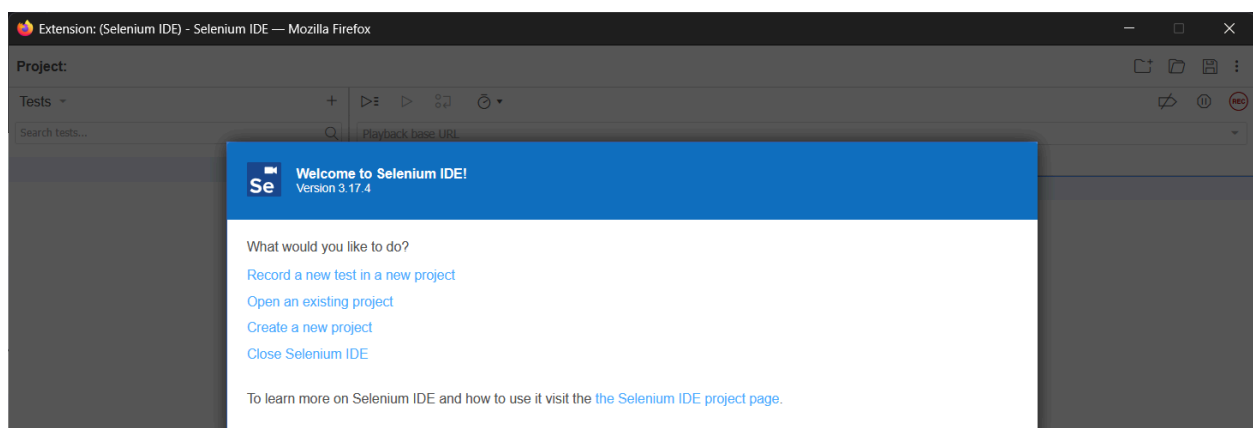
process:

Creating Tests :

1) Install the extension of the Selenium IDE in the firefox browser.



2) Now run the extension. And then create a new project.



3) click on the REC btn in the top right corner. And start the process of the test, the selenium ide will automatically detect the event.

Extension: (Selenium IDE) - Selenium IDE - Devops* — Mozilla Firefox

Project: Devops*

Executing ▾

✓ Untitled*

https://www.tutorialspoint.com/selenium/practice/register.php

	Command	Target	Value
1	open	moz-extenhttps://www.tutorialspoint.com/selenium/practice/register.php	ion://9107d851-4ecb-4...

Command: open

Target: moz-extenhttps://www.tutorialspoint.com/selenium/pi

Value:

Description:

Runs: 1 Failures: 0

Log Reference

4) Now you will see all the steps that you have created and then just click on the the run current test.

Extension: (Selenium IDE) - Selenium IDE - Devops* — Mozilla Firefox

Project: Devops*

Executing ▾

✓ Login*

https://www.tutorialspoint.com/selenium/practice/register.php

	Command	Target	Value
1	✓ open	https://www.tutorialspoint.com/selenium/practice/register.php	
2	✓ type	id=firstname	Atharva
3	✓ click	id=lastname	
4	✓ type	id=lastname	Angre
5	✓ click	id=username	
6	✓ type	id=username	angreatharva
7	✓ click	id=password	
8	✓ type	id=password	1234567890

Command //

Target

Value

Description

Runs: 1 Failures: 0

Log Reference

Creating Script

Create a new test as the same as above.

The screenshot shows the Selenium IDE interface with a project named "Devops". The script is titled "Register Script" and is being executed. The URL is <https://www.tutorialspoint.com/selenium/practice/register.php>. The script consists of 15 commands:

Command	Target	Value
open	https://www.tutorialspoint.com/selenium/practice/register.php	
click	css=#headingFour > .accordion-button	
click	linkText=Date Picker	
click	id=datetimerpicker1	
click	css= .open .flatpickr-day:nth-child(3)	
type	id=datetimerpicker1	2025-04-01 12:00
click	id=datetimerpicker2	
click	css= .open .flatpickr-day:nth-child(32)	
type	id=datetimerpicker2	2025-04-30 12:00
click	linkText=Slider	
mouse down at	id=ageInputId	526.2833251953125,20.933334350585938
mouse move at	id=ageInputId	526.2833251953125,20.933334350585938
mouse up at	id=ageInputId	526.2833251953125,20.933334350585938
type	id=ageInputId	100
click	id=ageInputId	

The interface also shows a progress bar at the bottom left indicating "Runs: 1 Failures: 0".

The screenshot shows the Selenium IDE interface with a project named "Devops". The script is titled "Register Script" and is being executed. The URL is <https://www.tutorialspoint.com/selenium/practice/register.php>. The script consists of 21 commands:

Command	Target	Value
click	css= .open .flatpickr-day:nth-child(32)	
type	id=datetimerpicker2	2025-04-30 12:00
click	linkText=Slider	
mouse down at	id=ageInputId	526.2833251953125,20.933334350585938
mouse move at	id=ageInputId	526.2833251953125,20.933334350585938
mouse up at	id=ageInputId	526.2833251953125,20.933334350585938
type	id=ageInputId	100
click	id=ageInputId	
click	css= col-md-8	
click	linkText=Progress Bar	
click	id=startProgressTimer	
mouse over	id=startProgressTimer	
mouse out	id=startProgressTimer	
close		

The interface also shows a progress bar at the bottom left indicating "Runs: 1 Failures: 0".

Here we made just a few changes like commenting some steps or changing some value.

Conclusion: Selenium IDE simplifies the process of automating browser tasks by recording user interactions and converting them into test scripts. It enables efficient testing with minimal coding, making it ideal for quick test creation and execution.