

Тестване и верификация на софтуер

Упражнения

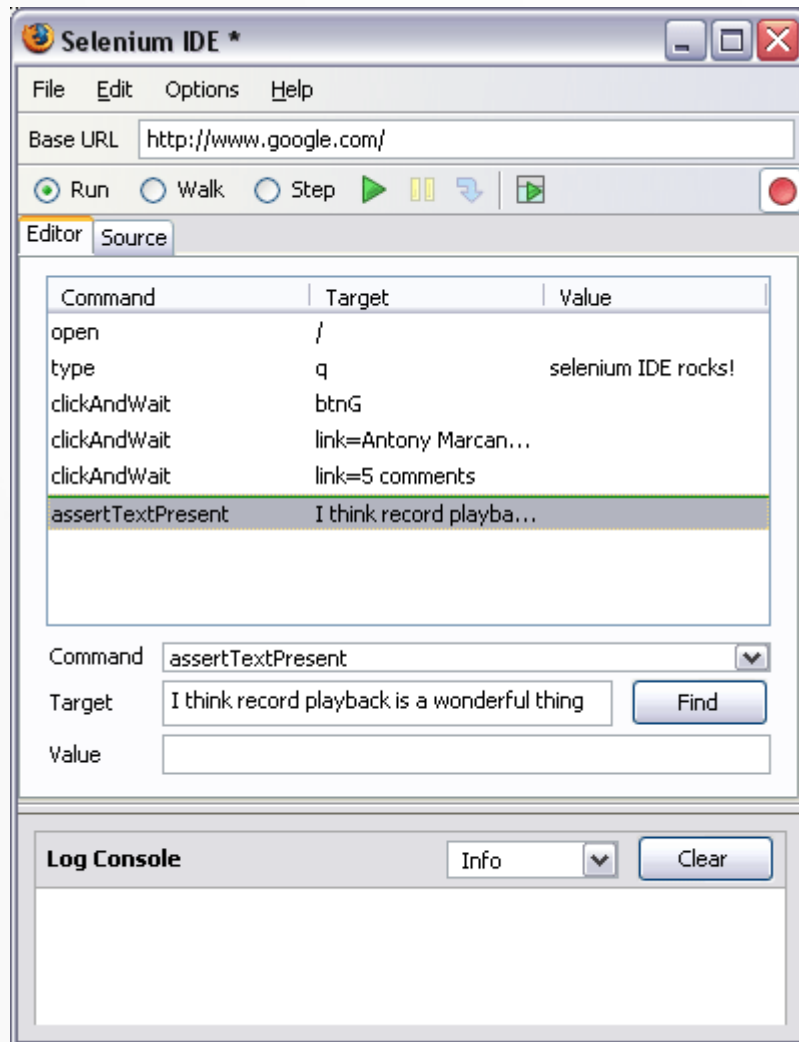
Любомир Филипов

Selenium

- **Selenium automates browsers**
- Open-source
- Playback and record tests
- Domain-specific language (Selenese) to write tests
- <http://www.seleniumhq.org/>

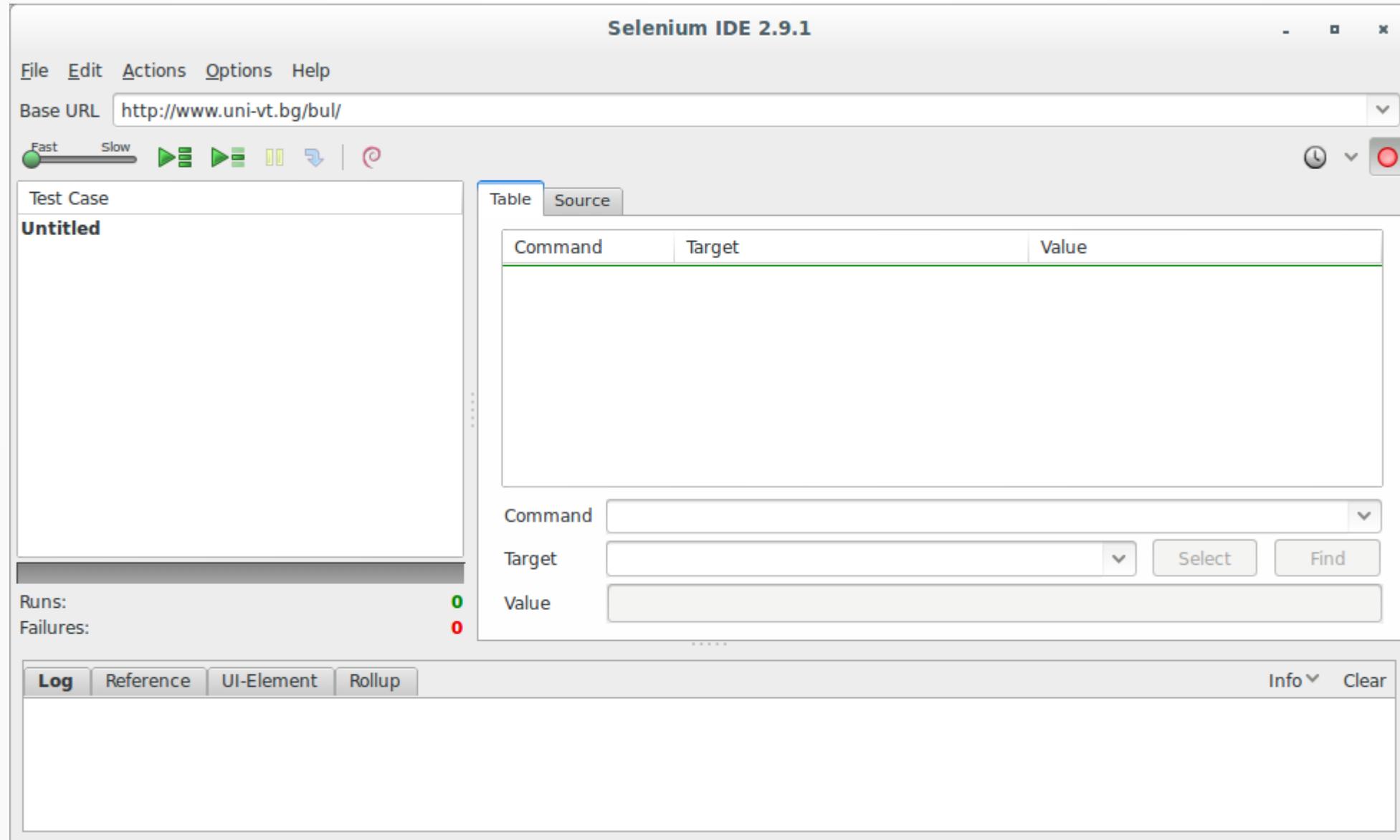


Selenium IDE

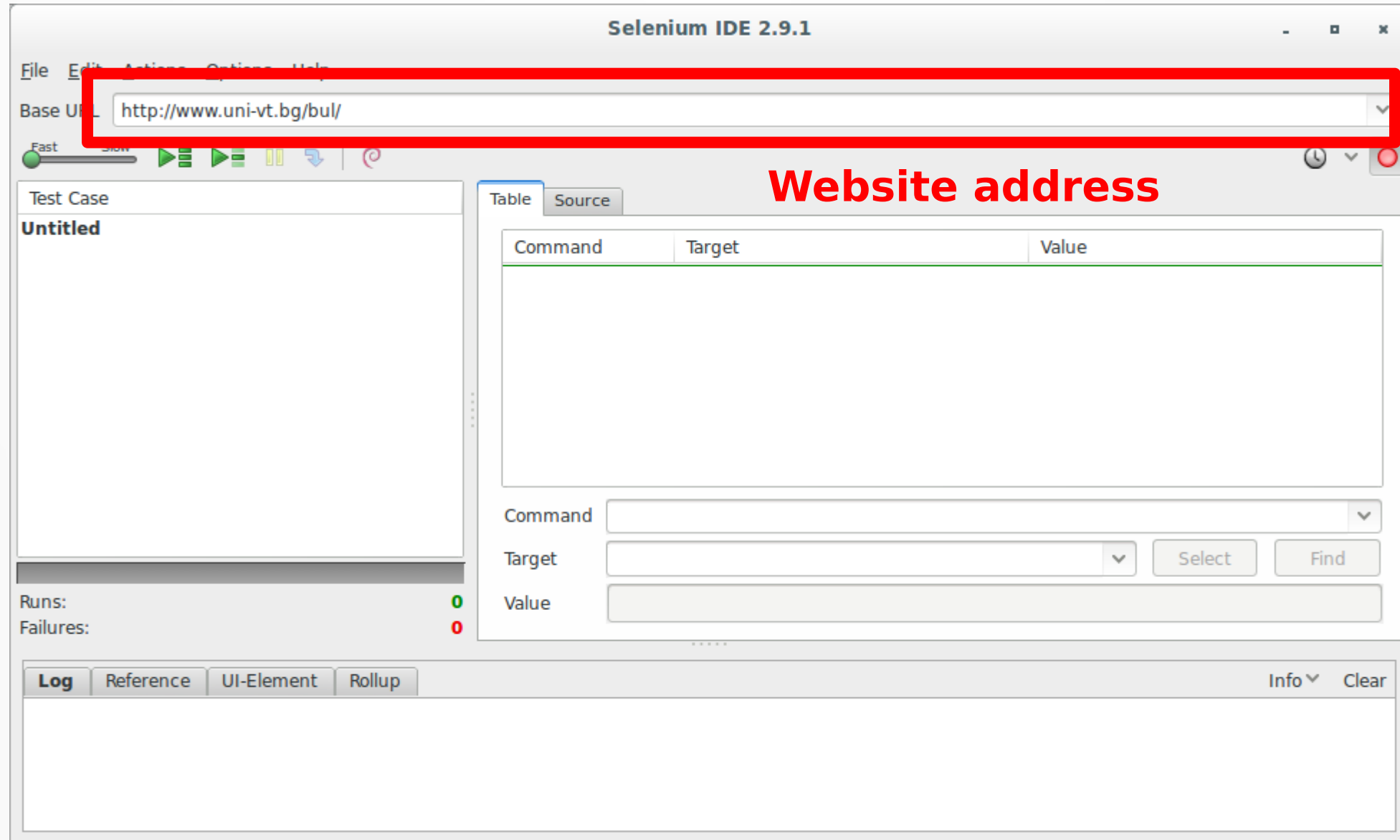


- Integrated development environment for **Selenium scripts**
- **Firefox** extension
- **Operations:**
 - 1)Record
 - 2)Edit
 - 3)Debug

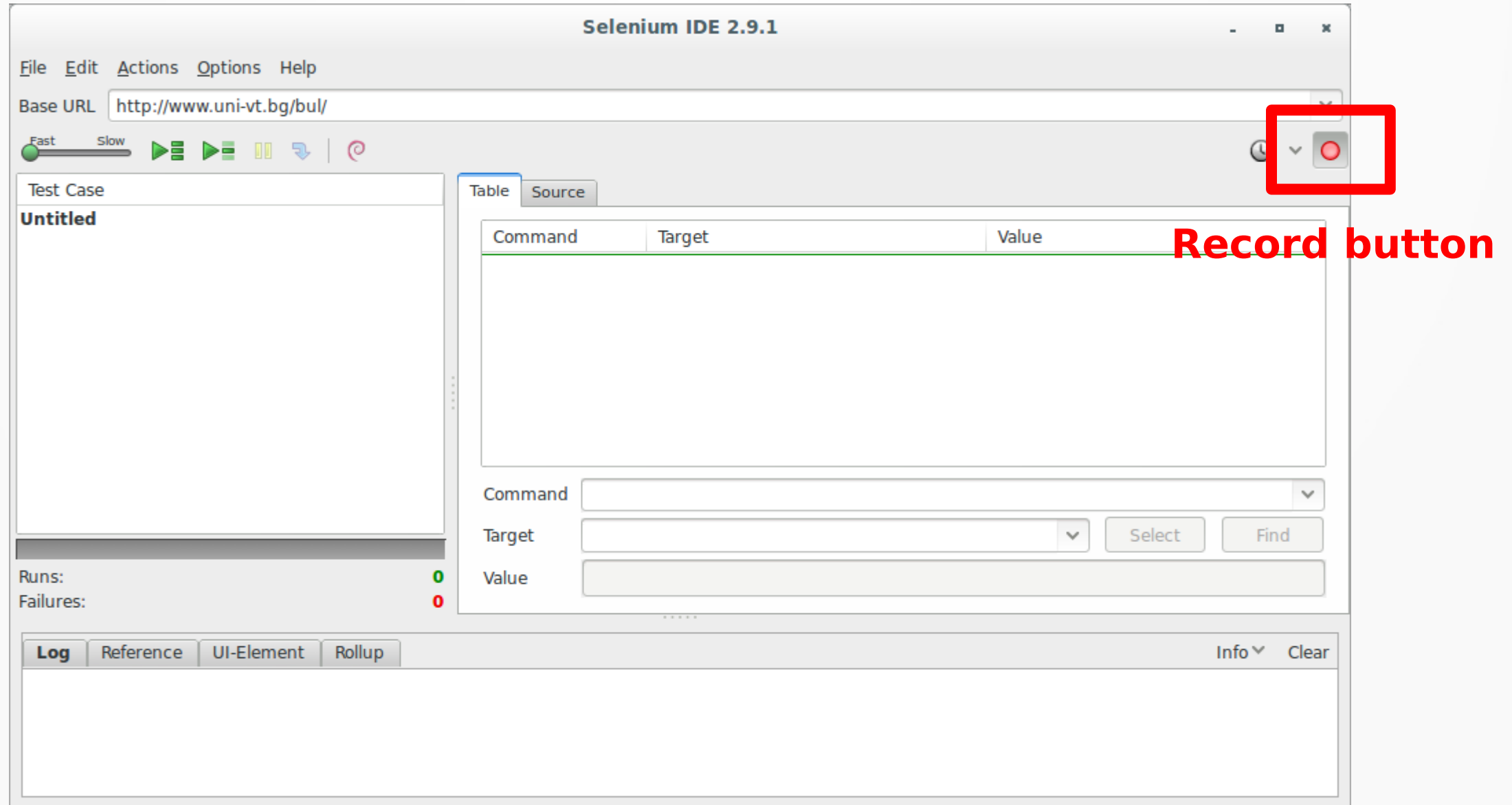
Selenium IDE



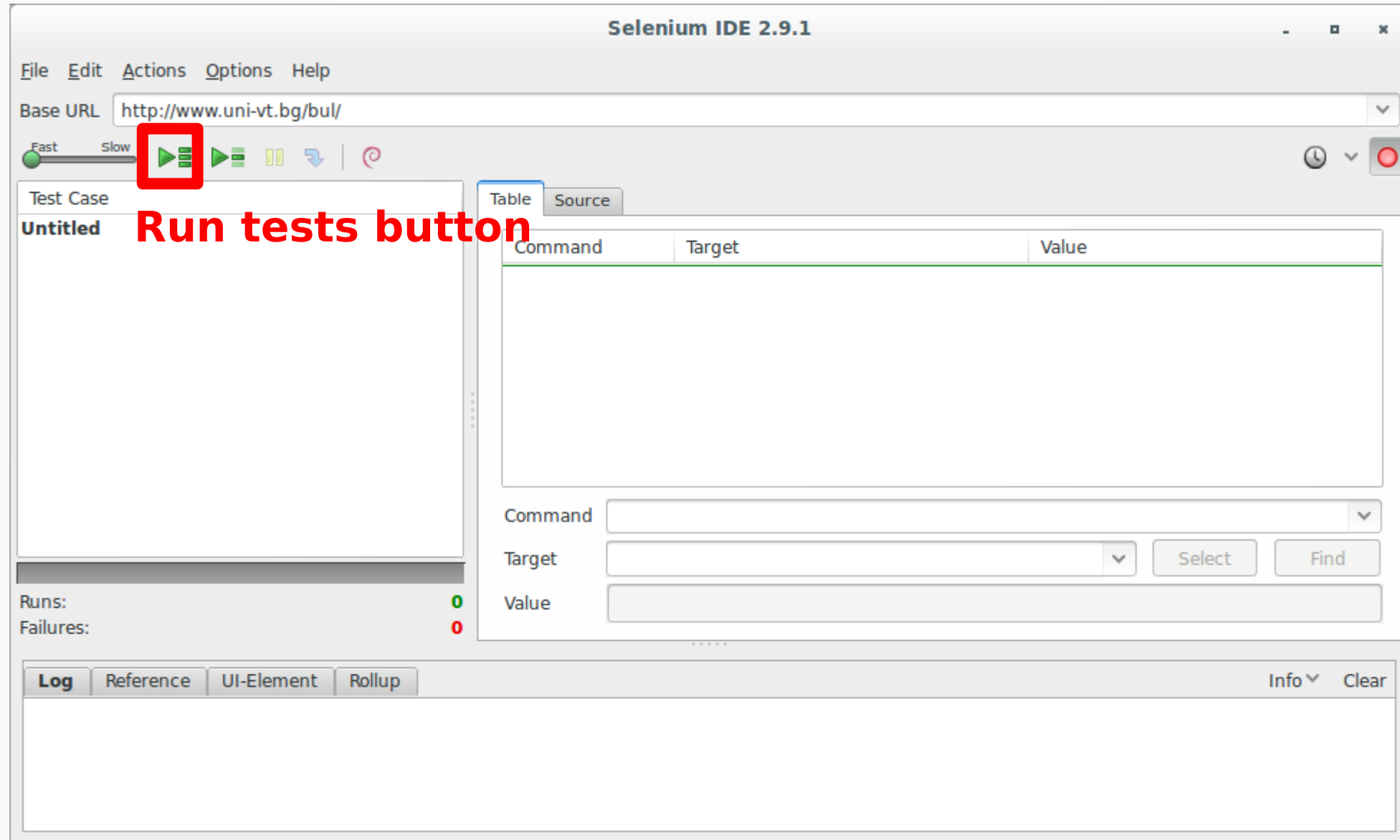
Selenium IDE



Selenium IDE



Selenium IDE








Selenium IDE

testCase1 (untitled suite) - Selenium IDE 2.9.1

File Edit Actions Options Help

Base URL

Fast Slow     

Test Case

testCase1

Command	Target	Value
clickAndWait	css=option[value="09"]	
select	id=ctl00_ContentPlaceholder1_dd_vid	label=След средно образование
clickAndWait	css=option[value="1"]	
select	id=ctl00_ContentPlaceholder1_dd_form	label=Редовна
clickAndWait	css=option[value="P"]	
select	id=ctl00_ContentPlaceholder1_dd_kurs	label=Първи
clickAndWait	css=#ctl00_ContentPlaceholder1_dd_...	
assertText	id=ctl00_ContentPlaceholder1_dd_sp...	Библиотечно-информационни дей...

Command

Target

Value

Runs: 1

Failures: 0

Log Reference UI-Element Rollup Info Clear

[info] Playing test case testCase1

[info] Executing: |open | /bul/ | |

[info] Executing: |click | link=ОБУЧЕНИЕ | |

[info] Executing: |clickAndWait | id=ctl00_lv_mainmenu_ctrl2_lv_submenu_ctrl6_lsubm | |

[info] Executing: |select | id=ctl00_ContentPlaceholder1_dd_fak | label=Математика и информатика |

Selenium IDE

testCase1 (untitled suite) - Selenium IDE 2.9.1 *

File Edit Actions Options Help

Base URL

Fast Slow

Test Case

- testCase1 *
- UniversitySearchForm

Table Source

Command	Target	Value
select	id=ctl00_ContentPlaceholder1_dd_vid	label=След средно образование
clickAndWait	css=option[value="1"]	
select	id=ctl00_ContentPlaceholder1_dd_form	label=Редовна
clickAndWait	css=option[value="P"]	
select	id=ctl00_ContentPlaceholder1_dd_kurs	label=Първи
clickAndWait	css=#ctl00_ContentPlaceholder1_dd_...	
selectWindow	null	
storeElementPre...	id=ctl00_ContentPlaceholder1_tb_sea...	
assertText	id=ctl00_ContentPlaceholder1_dd_sp	Библиотечно-информационни дей...

Command

Target

Value

Runs: 2

Failures: 0

Log Reference UI-Element Rollup

assertText(locator, pattern)
Generated from **getText(locator)**

Arguments:

- locator - an element locator

Returns:

Как се инсталира

- Firefox plugin
- <https://addons.mozilla.org/bg/firefox/addon/selenium-ide/>
- **Firefox 55!!! - not supported yet**
-

Задача

- Да се инсталира Selenium IDE
- Да се направи автоматизиран тест, който проверява дали има качена програмата за магистърската програма в сайта на университета