

Selenium

Selenium WebDriver

Permite automatizar pruebas en aplicaciones Web haciendo uso del navegador.

Beneficios

- Varios navegadores
- Resoluciones diferentes
- Casos de uso

Librerías

```
python -m pip install "selenium >= 4.8.0"
```

<https://www.selenium.dev/>

Descargar webDriver

<https://pypi.org/project/selenium/>

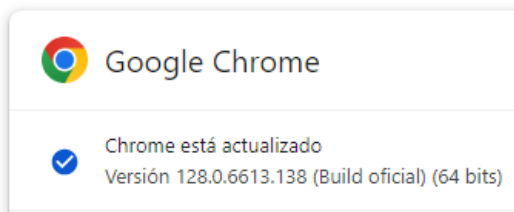
<https://docs.djangoproject.com/en/4.1/topics/testing/tools/>

Buscar Selenium test

Verificar la versión de Chrome instalada



Información de Chrome



<https://chromedriver.chromium.org/downloads>




Current Releases



- If you are using Chrome version 108, please download [ChromeDriver 108.0.5359.71](#)
- If you are using Chrome version 107, please download [ChromeDriver 107.0.5304.62](#)
- If you are using Chrome version 106, please download [ChromeDriver 106.0.5249.61](#)

Index of /108.0.5359.71/

	<u>Name</u>	<u>Last modified</u>	
	Parent Directory		
	chromedriver_linux64.zip	2022-11-30 05:16:56	6
	chromedriver_mac64.zip	2022-11-30 05:17:00	8
	chromedriver_mac_arm64.zip	2022-11-30 05:17:03	7
	chromedriver_win32.zip	2022-11-30 05:17:07	6
	notes.txt	2022-11-30 05:17:14	0

Práctica

 test_1.py  

Módulo7 > source > solutions > webrestaurante > registration > tests >  test_1.py >  AddTestCase >

```
1  from django.contrib.staticfiles.testing import StaticLiveServerTestCase
2  from selenium import webdriver
3  from selenium.webdriver.chrome.options import Options
4  import time
5  from services.models import Service
```

```
7  class AddTestCase(StaticLiveServerTestCase):
8      def setUp(self):
9          options = Options()
10         options.binary_location = r'C:\Users\D10303\AppData\Local\Google\Chrome\Application\chrome.exe'
11         driver = webdriver.Chrome(
12             executable_path=r'D:...\\solutions\chromedriver.exe', options=options)
13         self.selenium = driver
14         super(AddTestCase, self).setUp()
```

```
16  def tearDown(self):
17      self.selenium.quit()
18      super(AddTestCase, self).tearDown()
19      return
```

```
22  def test_home_title(self):
23      browser = self.selenium
24      url = self.live_server_url
25      browser.get(url)
26      self.assertIn('La Recova', browser.title)
```

```

29 def test_login(self):
30     browser = self.selenium
31     browser.get('%s%s' % (self.live_server_url, '/accounts/signup/'))
32     user_name = browser.find_element(by='name', value='username')
33     email = browser.find_element(by='name', value='email')
34     password1 = browser.find_element(by='name', value='password1')
35     password2 = browser.find_element(by='name', value='password2')
36     submit = browser.find_element(by='id', value='btn_submit')
37     password = 'Mks83&_91jd'
38     user_name.send_keys('juanito1')
39     email.send_keys('juanito1@gmail.com')
40     password1.send_keys(password)
41     password2.send_keys(password)
42     submit.click()
43
44     browser.get('%s%s' % (self.live_server_url, '/accounts/login/'))
45     #Verifica la autenticación
46     # browser.get('%s%s' % (self.live_server_url, '/accounts/login/'))
47     user_name = browser.find_element(by='name', value='username')
48     password1 = browser.find_element(by='name', value='password')
49     submit = browser.find_element(by='id', value='btn_submit')
50     user_name.send_keys('juanito1')
51     password1.send_keys(password)
52     submit.click()
53     self.assertIn('Salir', browser.page_source)

```

```

57 def test_logout(self):
58     browser = self.selenium
59     browser.get('%s%s' % (self.live_server_url, '/accounts/logout/'))
60     self.assertIn('Acceder', browser.page_source)

```

```

63 def test_compra(self):
64     n_services = 10
65     for id in range(n_services):
66         Service.objects.create(title= 'Servicio ' + str(id),
67                                sub_title= 'Subtitulo del servicio ' + str(id),
68                                content= 'Contenido del servicio ' + str(id),
69                                image= 'ruta de imagen del servicio ' + str(id))
70
71     browser = self.selenium
72     browser.get('%s%s' % (self.live_server_url, '/services/'))
73     time.sleep(5)

```