Учреждение образования «Белорусский государственный университет информатики и радиоэлектронике» Кафедра инженерной психологии и эргономики

Отчет по ЛАБОРАТОРНОЙ РАБОТЕ №6

Написание тестовой документации. Использование Selenium для тестирования веб-приложений.

Подготовил:

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Проверил:

Кабариха В.А.

Test Case ID	TC_001	Test Case Desc	cription	Test the Login	Functionality wi	th valid credent	ials	
Created By	A. Listvanovi	h Reviewed By		V. Kabarikha		Version		v0.0.6
Tester's Name	A. Listvanovi	h Date Tested		13-Nov-2023		Test Case (Pass	/Fail/Not	Pass
S #	Prerequisites:			S#	Test Data			
1	Access to Chrome Browser			1	username = use	er		
2				2	password = 617	7883d5-f8b6-47	72-b48d-503d0	Dad65cfe
Test Scenario	Verify on entering valid user	name and password,	, the customer o	can login				
Step #	Step Details	Expecte	d Results		Actual Results		Pass / Fail /	Not executed / Suspended
	Navigate to http://localhost:8080/login	Site should ope	en	As Expected			Pass	
2	Enter username & password	Credential can	be entered	As Expected			Pass	
3	Click "Sign in"	Cutomer is log	ged in	As Expected			Pass	

Test Case ID		TC_002	Test Case Desc	ription	Test the Login	Functionality w	ith invalid crede	ntials	
Created By		A. Listvanovich Reviewed By			V. Kabarikha Version			v0.0.6	
QA Tester's Lo	<u>g</u>								
Tester's Name		A. Listvanovich	Date Tested		13-Nov-2023		Test Case (Pas	s/Fail/Not	Pass
S #	Prerequisites:				S #	Test Data			
1	Access to Chro	me Browser			1	username = wi	rong_user		
2					2	password = sin	npleqwerty		
Test Scenario Step #	1	ring invalid userna		d, the custome	r can not login	Actual Results		Page / Fail d	Not executed / Suspended
Step #	Step	Details	Expecte	a Results		Actual Results		Pass / Fall /	Not executed / Suspended
1	Navigate to		Site should ope	en	As Expected			Pass	
2	Enter usernam	e & password	Credential can	be entered	As Expected			Pass	
3	Click "Sign in"		"Bad credentia	als" error	As Expected			Pass	·

est Case ID		TC_003	Test Case Description	Test number f	lipper function w	rith valid data	
reated By		A. Listvanovich	Reviewed By	V. Kabarikha		Version	v0.0.6
ester's Name	9	A. Listvanovich	Date Tested	13-Nov-2023		Test Case (Pass/Fail/Not	Pass
	_						
S #	Prerequisites:			S #	Test Data		
1	Access to Chron	me Browser		1	username = us	er	
					naccword - 61	7883d5-f8b6-4772-b48d-503d	10adeEefo
2				2	password - or	/ 003u3-10b0-4//2-b40u-3030	JUAUDSCIE
				3	number = 1234		Juduoscie
2 est Scenario	Verify that num	ber flipper is returning cor	rect number		1		IDAUGSCIE
	_	iber flipper is returning con	rect number Expected Results		1	56	I / Not executed / Suspended
est Scenario		···			number = 1234	56	
est Scenario Step#		Step Details p://localhost:8080/login	Expected Results	3	number = 1234	Pass / Fai	
Step #	Navigate to http	Step Details p://localhost:8080/login	Expected Results Site should open	As Expected	number = 1234	Pass / Fai	
Step #	Navigate to http	Step Details p://localhost:8080/login	Expected Results Site should open Credential can be entered	As Expected As Expected	number = 1234	Pass / Fai Pass Pass	

Test Case ID	TC_004	Test Case Description	Test number	flipper function w	vith invalid data		
Created By	A. Listvanovich Reviewed By		V. Kabarikha Ve		Version		v0.0.6
Tester's Name	A. Listvanovich	Date Tested	13-Nov-2023		Test Case (Pass/	Fail/Not	Pass
S #	Prerequisites:		S #	Test Data			
1	Access to Chrome Browser		1	username = us	er		
2			2	password = 61	7883d5-f8b6-477	2-b48d-503d	Dad65cfe
			3	number = 9999	999999999999		
	_			•			
Test Scenario	Verify that number flipper is returning cor	rect number					
Step#	Step Details	Expected Results		Actual Results		Pass / Fail	/ Not executed / Suspended
1	Navigate to http://localhost:8080/login	Site should open	As Expected		F	Pass	
2	Enter username & password	Credential can be entered	As Expected		ı	Pass	
3	Click "Sign in"	Cutomer is logged in	As Expected		F	Pass	
4	Enter number to "number flipper" data	Number can be entered	As Expected		ı	Pass	
5	Click "Flip number"	Loader spins infinitely	As Expected		F	Pass	

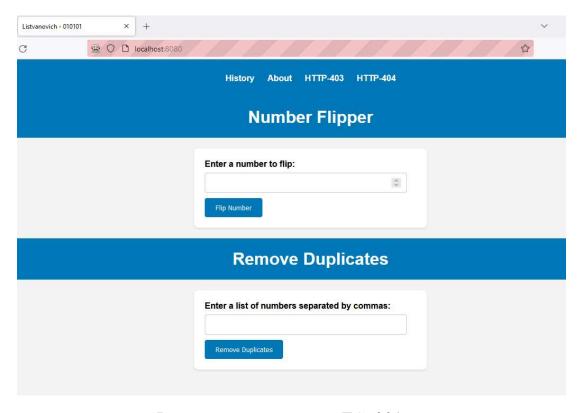
est Case ID	TC_005		Test Case Desc	cription	Test "Remove	duplicates" fund	ction with valid data	
reated By	A. Listvanovich	h	Reviewed By		V. Kabarikha Version		Version	v0.0.6
ester's Nam	ne A. Listvanovich	h	Date Tested		13-Nov-2023		Test Case (Pass/Fail/No	ot Pass
			•					
S #	Prerequisites:				S #	Test Data		
1	Access to Chrome Browser				1	username = us	er	
2]	2	password = 61	7883d5-f8b6-4772-b48d	-503d0ad65cfe
2								
	Verify that "Remove duplicate	es" is returning co	orrect result	1	3	payload = 1, 1,	2, 3, 4, 4, 5, 2	
est Scenario	O Verify that "Remove duplicate	es" is returning co	orrect result		3	payload = 1, 1,	2, 3, 4, 4, 5, 2	
	O Verify that "Remove duplicate Step Details			cted Results	3	payload = 1, 1, Actual Results		/ Fail / Not executed / Suspend
est Scenario		5			As Expected			/ Fail / Not executed / Suspend
est Scenario	Step Details	5	Expe	en			Pass	/ Fail / Not executed / Suspend
Step #	Step Details Navigate to http://localhost:8	5	Site should ope	en be entered	As Expected		Pass Pass	/ Fail / Not executed / Suspend
Step #	Step Details Navigate to http://localhost:8 Enter username & password	s 8080/login	Site should ope	en be entered ged in	As Expected As Expected		Pass Pass Pass	/ Fail / Not executed / Suspend

Test Case ID	TC_006		Test Case Desc	ription	Test "Remove	duplicates" fun	ction with invalid	d data	
Created By	A. Listvano	ovich	Reviewed By		V. Kabarikha		Version		v0.0.6
Tester's Name	e A. Listvano	ovich	Date Tested		13-Nov-2023		Test Case (Pass	s/Fail/Not	Pass
S #	Prerequisites:				S #	Test Data			
1	Access to Chrome Browse	er			1	username = us	er		
2					2	password = 61	7883d5-f8b6-47	72-b48d-503d0	Dad65cfe
	·!				-	+			
					3	payload = rand	lom,string		
Test Scenario	Verify that "Remove dupli	icates" doesn't work	for invalid data		3	payload = rand	lom,string		
Test Scenario Step #	Verify that "Remove dupli			cted Results	3	payload = rand	-	Pass / Fail	/ Not executed / Suspended
		etails			As Expected			Pass / Fail	/ Not executed / Suspended
Step #	Step De	ost:8080/login	Exped	en					/ Not executed / Suspended
Step#	Step De Navigate to http://localho	ost:8080/login	Expect Site should ope	en be entered	As Expected			Pass	/ Not executed / Suspended
Step # 1 2	Step De Navigate to http://localho	ost:8080/login	Site should ope	en be entered ged in	As Expected As Expected			Pass Pass	/ Not executed / Suspended

TC_001.py

from selenium import webdriver from selenium.webdriver.common.by import By from cfg import username, password

```
browser = webdriver.Firefox()
browser.get('http://localhost:8080/login')
username_field = browser.find_element(by=By.ID, value='username')
password_field = browser.find_element(by=By.ID, value='password')
username_field.send_keys(username)
password_field.send_keys(password)
submit_button = browser.find_element(by=By.CSS_SELECTOR, value='button.btn-primary')
submit_button.click()
```



Результат выполнения ТС_001.ру

TC_002.py

from selenium import webdriver from selenium.webdriver.common.by import By

```
browser = webdriver.Firefox()

browser.get('http://localhost:8080/login')

username_field = browser.find_element(by=By.ID, value='username')

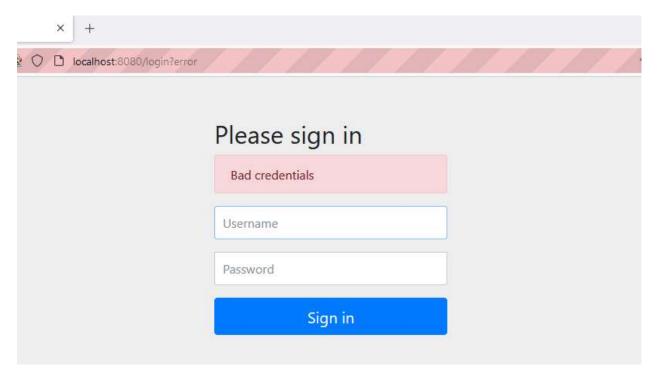
password_field = browser.find_element(by=By.ID, value='password')

username_field.send_keys("wrong_user")

password_field.send_keys("simpleqwerty")

submit_button = browser.find_element(by=By.CSS_SELECTOR, value='button.btn-primary')

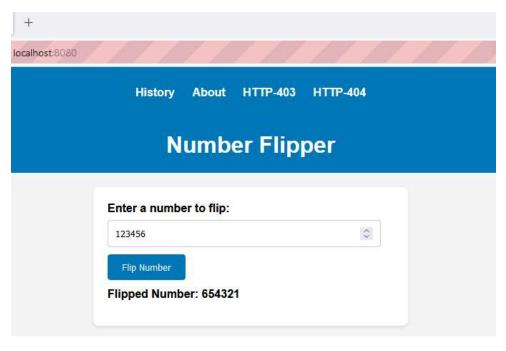
submit_button.click()
```



Результат выполнения ТС 002.ру

TC_003.py

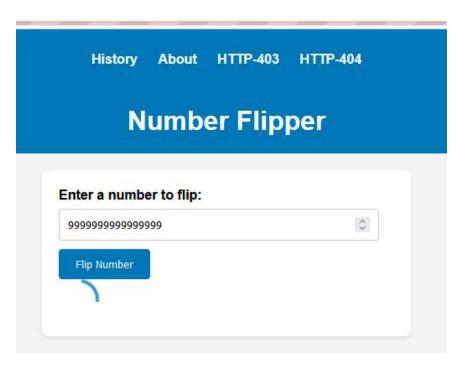
```
from selenium import webdriver
from selenium.webdriver.common.by import By
from cfg import username, password
browser = webdriver.Firefox()
browser.get('http://localhost:8080/login')
username field = browser.find element(by=By.ID, value='username')
password field = browser.find element(by=By.ID, value='password')
username field.send keys(username)
password field.send keys(password)
submit button = browser.find element(by=By.CSS SELECTOR,
value='button.btn-primary')
submit button.click()
number to flip input = browser.find element(by=By.ID, value='numberToFlip')
number to flip input.send keys('123456')
flip button = browser.find element(by=By.ID, value='btn flipNumber')
flip button.click()
```



Результат выполнения ТС 003.ру

TC_004.py

```
from selenium import webdriver
from selenium.webdriver.common.by import By
from cfg import username, password
browser = webdriver.Firefox()
browser.get('http://localhost:8080/login')
username field = browser.find element(by=By.ID, value='username')
password field = browser.find element(by=By.ID, value='password')
username field.send keys(username)
password field.send keys(password)
submit button = browser.find element(by=By.CSS SELECTOR,
value='button.btn-primary')
submit button.click()
number to flip input = browser.find element(by=By.ID, value='numberToFlip')
number to flip input.send keys('9999999999999')
flip button = browser.find element(by=By.ID, value='btn flipNumber')
flip button.click()
```



Результат выполнения ТС 004.ру

TC_005.py

from selenium import webdriver from selenium.webdriver.common.by import By from cfg import username, password

```
browser = webdriver.Firefox()
browser.get('http://localhost:8080/login')
username_field = browser.find_element(by=By.ID, value='username')
password_field = browser.find_element(by=By.ID, value='password')
username_field.send_keys(username)
password_field.send_keys(password)
submit_button = browser.find_element(by=By.CSS_SELECTOR, value='button.btn-primary')
submit_button.click()
numbers = browser.find_element(by=By.ID, value='numbers')
numbers.send_keys('1, 1, 2, 3, 4, 4, 5, 2')
flip_button = browser.find_element(by=By.ID, value='btn_removeDuplicates')
flip_button.click()
```

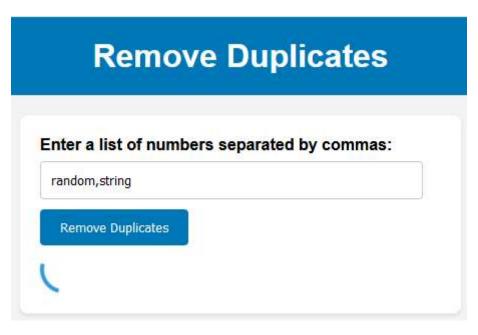


Результат выполнения ТС_005.ру

TC_006.py

from selenium import webdriver from selenium.webdriver.common.by import By from cfg import username, password

```
browser = webdriver.Firefox()
browser.get('http://localhost:8080/login')
username_field = browser.find_element(by=By.ID, value='username')
password_field = browser.find_element(by=By.ID, value='password')
username_field.send_keys(username)
password_field.send_keys(password)
submit_button = browser.find_element(by=By.CSS_SELECTOR, value='button.btn-primary')
submit_button.click()
numbers = browser.find_element(by=By.ID, value='numbers')
numbers.send_keys('random,string')
flip_button = browser.find_element(by=By.ID, value='btn_removeDuplicates')
flip_button.click()
```



Результат выполнения ТС 006.ру