

Documentação do Projeto

Site: Automation Practice

Instalação

Para iniciar a automação de testes com **Robot Framework**, é necessário a instalação a partir do **Python 3**, do Console Emulator (versão full) e Visual Studio Code (que possui uma extensão para o uso do Robot Framework).

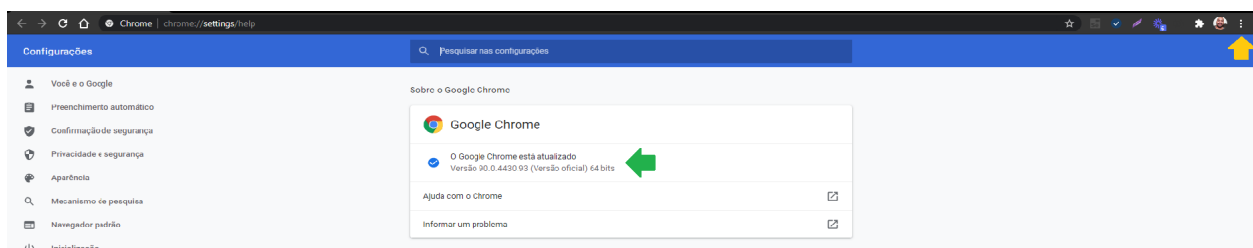
Segue abaixo o link do site para realizar o download do Python:

<https://www.python.org/downloads/>

Projeto

Descompactar a pasta do projeto e copiar para o diretório (C:) da máquina.

Obs: Para não haver problemas de execução com a abertura do browser é necessário verificar a versão atual do browser de sua escolha, ex: Google Chrome (3 pontinhos, opção ajuda / Sobre o Google Chrome) e fazer o download do ChromeDriver com a mesma versão. Após realizar o download, descompactar o arquivo e colar dentro da pasta: C:/ Windows.



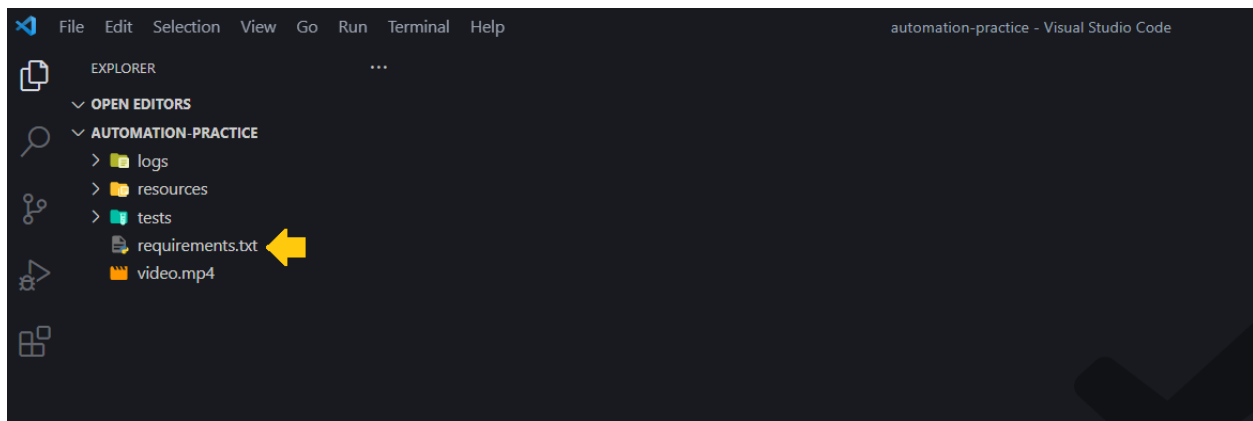
Como instalar o Robot Framework e as dependências do projeto

No Console Emulator (prompt de comando), navegue até a pasta do projeto e execute o comando: **pip install -r requirements.txt**

```
Cmder

C:\KAIO - ARQUIVOS\automation-practice
λ pip install -r requirements.txt
```

Esse comando vai instalar o *Robot Framework* e a biblioteca do *SeleniumLibrary* que estão configuradas no arquivo: **requirements.txt**



Se preferir, vou deixar aqui os comandos para instalação de forma manual: **pip install robotframework / pip install --upgrade robotframework-seleniumlibrary**

Como executar os Testes

Para rodar **todas** as suítes de testes, é necessário executar o seguinte comando:

```
Cmder

C:\KAIO - ARQUIVOS\automation-practice
λ robot -d ./logs tests/
```

Caso deseje rodar as suítes de testes de forma individual, executar a linha de comando:

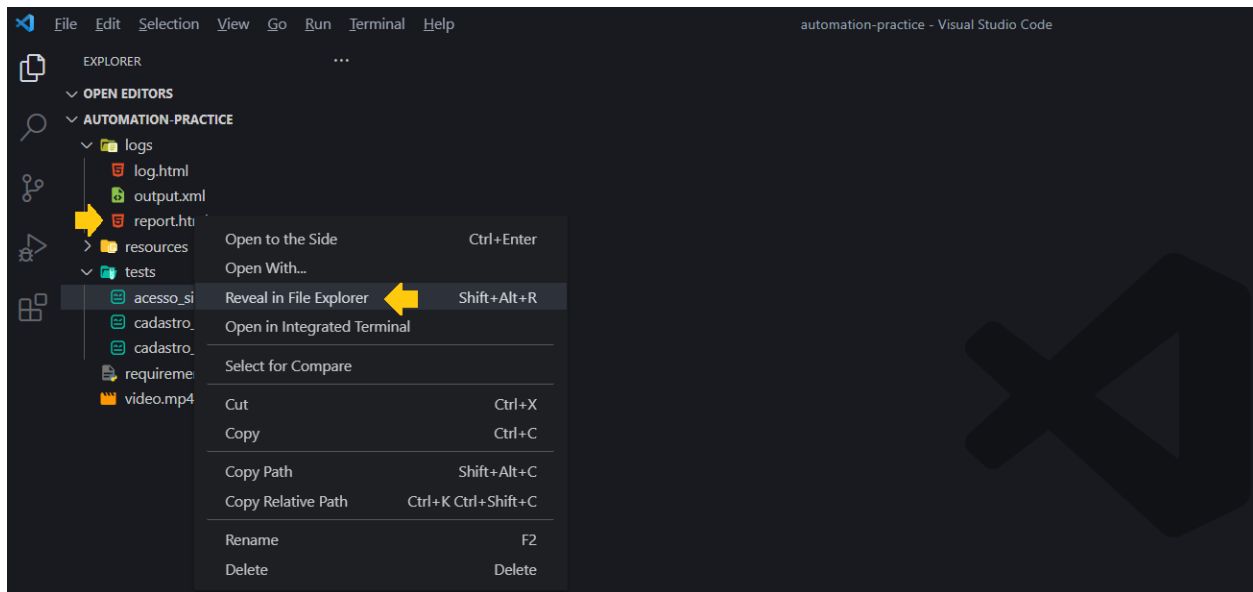
- `robot -d ./logs tests/acesso_site_ap.robot`
- `robot -d ./logs tests/cadastro_usuario.robot`

- `robot -d ./logs tests/cadastro_usuario_fail.robot`

Como visualizar os relatórios:

Para visualizar o relatório de execução das suítes de testes, é necessário navegar até a pasta do projeto dentro do Visual Studio Code e acessar a pasta:

logs/report.html clicar com o botão direito do mouse e escolher a opção: **Reveal in File Explorer**



Log's das suítes dos testes regressivos no Console Emulator:

```
C:\KAIO - ARQUIVOS\automation-practice
λ robot -d ./logs tests/
=====
Tests
=====
Tests.Acesso Site Ap
=====
Realizar o checkout do produto no carrinho de compras | PASS |
-----
Tests.Acesso Site Ap | PASS |
1 test, 1 passed, 0 failed
=====
Tests.Cadastro Usuario
=====
Criando uma conta no portal | PASS |
-----
Tests.Cadastro Usuario | PASS |
1 test, 1 passed, 0 failed
=====
Tests.Cadastro Usuario Fail
=====
Criando uma conta no portal - Falha | FAIL |
The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFW' but it was 'Kaio Dias'.
-----
Tests.Cadastro Usuario Fail | FAIL |
1 test, 0 passed, 1 failed
=====
Tests
| FAIL |
3 tests, 2 passed, 1 failed
=====
Output: C:\KAIO - ARQUIVOS\automation-practice\logs\output.xml
Log: C:\KAIO - ARQUIVOS\automation-practice\logs\log.html
Report: C:\KAIO - ARQUIVOS\automation-practice\logs\report.html

C:\KAIO - ARQUIVOS\automation-practice
λ |
```

Visual do Relatório gerado em Html:

Configurações Sobre o Google | Tests Report

Arquivo | C:\KAIO\A20-%20ARQUIVOS\automation-practice\logs\report.html

Generated: 20210509 21:19:02 UTC-03:00
4 minutes 6 seconds ago

LOG

Tests Report

Summary Information

Status: 1 test failed
Start Time: 20210509 21:18:09 071
End Time: 20210509 21:19:02 137
Elapsed Time: 00:00:53.066
Log File: [log.html](#)

Test Statistics

Total Statistics	Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
All Tests	3	2	1	0	00:00:53	<div><div></div><div></div><div></div></div>

Statistics by Tag	Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
No Tags						

Statistics by Suite	Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
Tests	3	2	1	0	00:00:53	<div><div></div><div></div><div></div></div>
tes. Acesso Site Ap	1	1	0	0	00:00:16	<div><div></div><div></div><div></div></div>
tes. Cadastro Usuario	1	1	0	0	00:00:19	<div><div></div><div></div><div></div></div>
tes. Cadastro Usuario Fail	1	0	1	0	00:00:18	<div><div></div><div></div><div></div></div>

Test Details

All | Tags | Suites | Search

Suite:

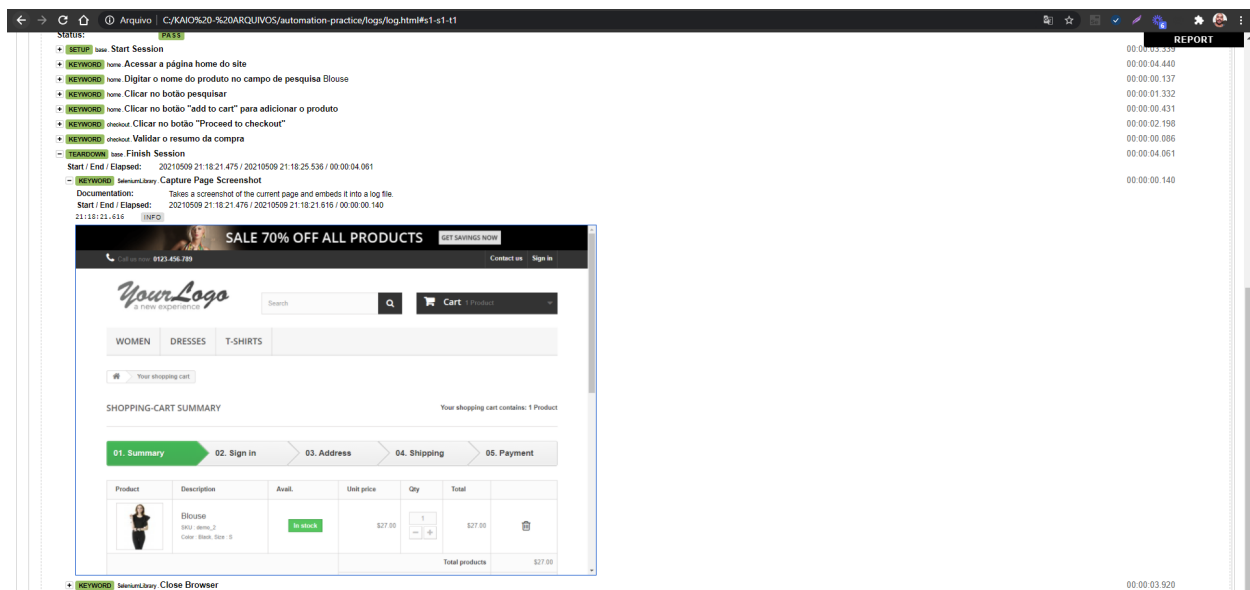
Test:

Include:

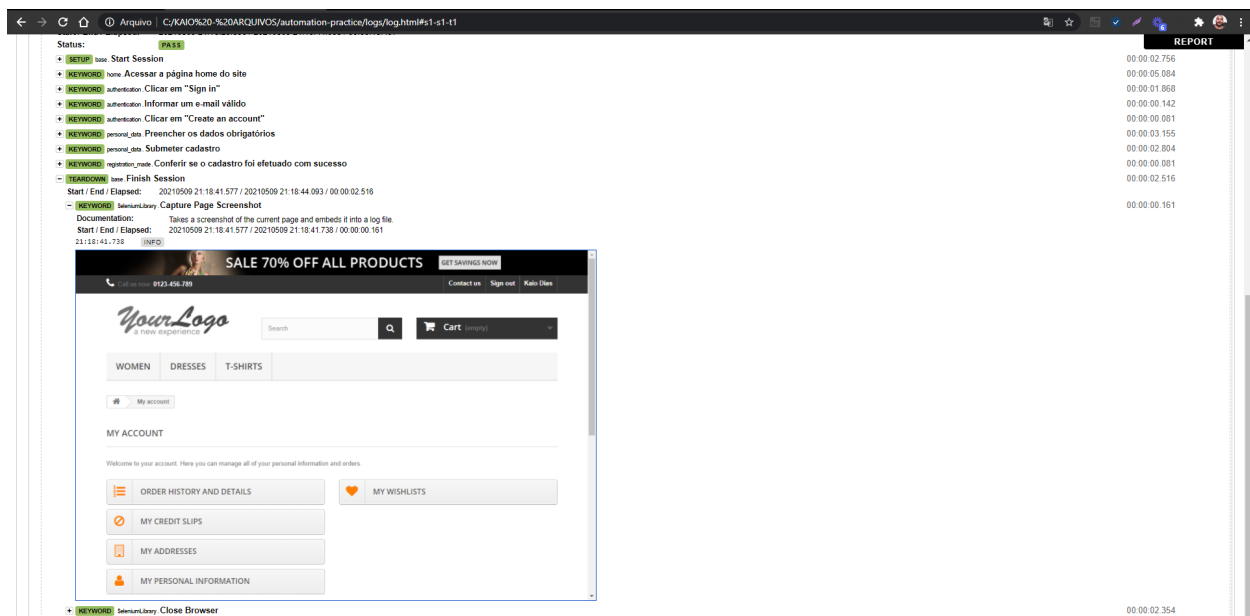
Exclude:

Obs: foi realizado uma simulação de falha para que uma das suites de testes falhasse. Por esse motivo o relatório fica com tom de vermelho.

Screenshot da Suite: Acesso_Site_Ap.robot



Screenshot da Suite: Cadastro_Usuario.robot



Log da falha da Suite: Cadastro_Usuario_Fail.rob

Arquivo | C:\KAIO\20-20ARQUIVOS\automation-practice\logs\log.html#s1-s1.11

REPORT

Statistics by Suite

	Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
Tests	3	2	1	0	00:00:53	
test Acesso Site Ap	1	1	0	0	00:00:16	
test Cadastro Usuario	1	1	0	0	00:00:19	
test Cadastro Usuario Fail	1	0	1	0	00:00:18	

Test Execution Log

SUITE Tests

Full Name: Tests
Source: C:\KAIO - ARQUIVOS\automation-practice\tests
Start / End / Elapsed: 20210509 21:18:09.071 / 20210509 21:19:02.137 / 00:00:53.066
Status: 3 tests total, 2 passed, 1 failed, 0 skipped

ACesso Site Ap

Full Name: Acesso Site Ap
Source: C:\KAIO - ARQUIVOS\automation-practice\tests
Start / End / Elapsed: 20210509 21:18:09.071 / 20210509 21:19:02.137 / 00:00:53.066
Status: 3 tests total, 2 passed, 1 failed, 0 skipped

Cadastro Usuario

Full Name: Cadastro Usuario
Source: C:\KAIO - ARQUIVOS\automation-practice\tests
Start / End / Elapsed: 20210509 21:18:09.071 / 20210509 21:19:02.137 / 00:00:53.066
Status: 3 tests total, 2 passed, 1 failed, 0 skipped

Cadastro Usuario Fail

Full Name: Testes Cadastro Usuario Fail
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.097 / 20210509 21:19:02.135 / 00:00:18.038
Status: 1 test total, 0 passed, 1 failed, 0 skipped

TEST Criando uma conta no portal - Falha

Full Name: Testes Cadastro Usuario Fail Criando uma conta no portal - Falha
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: FAIL
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

STEP Start Session

Full Name: Start Session
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD name Acessar a página home do site

Full Name: Acessar a página home do site
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD authentication Clickar em "Sign in"

Full Name: Clickar em "Sign in"
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD authentication Informar um e-mail válido

Full Name: Informar um e-mail válido
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD authentication Clickar em "Create an account"

Full Name: Clickar em "Create an account"
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD javascript:page Preencher os dados obrigatórios

Full Name: Preencher os dados obrigatórios
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD javascript:page Submeter cadastro

Full Name: Submeter cadastro
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD javascript:page Conferir se o cadastro foi efetuado com sucesso

Full Name: Conferir se o cadastro foi efetuado com sucesso
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD SeleniumLibrary Wait Until Element Is Visible \$/RM_CTCELLUM, \$/TIMEOUT

Full Name: Wait Until Element Is Visible \$/RM_CTCELLUM, \$/TIMEOUT
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD SeleniumLibrary Element Text Should Be \$/RM_CTCELLUM, \$/RM_TXTINFO

Full Name: Element Text Should Be \$/RM_CTCELLUM, \$/RM_TXTINFO
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD SeleniumLibrary Element Text Should Be \$/RM_ELEM-USER, \$/RM_USER

Full Name: Element Text Should Be \$/RM_ELEM-USER, \$/RM_USER
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

Documentation: Verifies that element is visible

Full Name: Verifies that element is visible
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

INFO: Verifying element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' contains exact text 'Testes de Falha - RFV'.

Full Name: Verifying element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' contains exact text 'Testes de Falha - RFV'.
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD SeleniumLibrary Capture Page Screenshot

Full Name: Capture Page Screenshot
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

KEYWORD Finish Session

Full Name: Finish Session
Source: C:\KAIO - ARQUIVOS\automation-practice\tests\cadastro_usuario_fail_robot
Start / End / Elapsed: 20210509 21:18:44.123 / 20210509 21:19:02.133 / 00:00:18.010
Status: PASS
Message: The text of element 'xpath=//*[@id="header"]/div[2]/div[1]/a/span' should have been 'Testes de Falha - RFV' but it was 'Kaio Dias'.

Anotações:

- Vídeo da execução das Suítes de Testes está localizado dentro da pasta do projeto como: **vídeo.mp4**

Instalando extensões no VS Code:

Com o VS Code aberto, se faz necessário instalar algumas extensões para uso do Robot Framework, são elas: **Python, Robot Framework, Material Icon Theme e Hyper Term Theme** (as duas ultimas extensões se referem a ícones e estilização de textos).

Obrigado!