Language / Framework of Choice: Python / Robot

I used Python and Robot because it is a test language and framework with a more human language, without having to be an expert in some language of programming, in addition to Robot not needing a specific IDE, because it has a syntax easy to use in any editor, so I managed to automate an application with more agility and added value since its documentation is alive.

About the structure of the Project:

A single feature was created to describe the test scenarios since they had the same goal and created a file called Resource that stores the settings and where I do the implementation of Keywords.

To run the tests:

1 - Have python installed on the machine
I used Mackbook to implement the tests, so I didn't have to install python.

2 - Install the Robot Framework:
pip3 install robotframework

3 - Install the Libraries that make up the Tests implementation
In: robotframework.org/#libraries> External
Download the SeleniumLibrary library to be able to perform E2E tests
Use the command: pip3 install --upgrade robotframework-seleniumlibrary

Note: Any library that needs to be installed, see the robot framework website

4 - Install a Text editor
I used Atom to implement the tests: https://atom.io/

5 - Install the plugins:
show autocomplete status
reload autocomplete data
print autocomplete debug info

6 - Install webdriver
I used geckodriver (Firefox)
https://github.com/mozilla/geckodriver/releases

7 - Open the project in Atom

8 - To perform the tests, use the following command:
robot -d ./results features/UI.robot

Difficulties encountered during construction:

1. Robot is a framework that I was studying and I took the test to put in practice, so sometimes I didn’t quite know where to turn with the doubts, but the documentation really helped!

2. I spent a lot of time trying to install chromedriver on environment variables Mac, I couldn't, I chose to use geckodrive.

3. I used a lot of xpath because I couldn't find some elements to implement a solution, I chose to make the test work and if I was using a controlled environment would check if there was another way of implement the elements other than xpath

4. I was unable to save content in variables, due to lack of knowledge in the framework and all the ways I tried didn't work. I will look for more in Robot documentation, for now, I chose to make the code work