Test Report.

Signup Automation Script.

1. Project Description

This project automates the **signup process** of a web application using **Python** and **Playwright**.
Normally, a user would manually open the website, fill in all required details (name, email, password, etc.), verify their email, and complete registration.
This script does all of that **automatically** it fills the form, fetches the email verification code, submits the data, and checks if the signup was successful.

It helps **QA testers** and **developers** to:

- Save time while testing forms.
- Ensure that the signup flow works correctly.
- Reduce manual effort and typing mistakes.

2. Basic Information.

Field	Details
Project Name	Signup Automation Test
Tester	Riya Bajracharya
Date	October 14, 2025
Tool Used	PyCharm
Framework	Playwright (Python)
Browser	Chromium

3. Tools & Technologies Used

Tool / Technology	Purpose
Python	Main programming language
Playwright	Browser automation (used to control Chrome/Edge)
Pytest	Test runner to execute and manage the test
IMAPLib, Email	Used to fetch the verification code from Gmail automatically
PyCharm	IDE used to write and run the script
Chromium	Browser used by Playwright for automation

4. How It Works

1. The script launches a browser window.
2. It opens the signup page of the website:

   https://authorized-partner.netlify.app
3. It automatically fills in user details like name, email, phone number, and password.
4. It fetches a **6-digit verification code** from Gmail inbox using the IMAP protocol.
5. It enters the verification code, fills in agency details, and uploads a file.
6. Finally, it clicks **Submit** and verifies that the user reaches the **"My Profile"** page.

5. Test Steps and Results:

Step	Action	Expected Result	Actual Result	Status
1	Open login page	Page loads	Page loaded	✅ Passed
2	Click "Sign Up"	Signup form opens	Form opened	✅ Passed
3	Fill personal info	Data accepted	Filled correctly	✅ Passed
4	Fetch email code	Get 6-digit code	Code received	✅ Passed
5	Verify code	Moves to next step	Verified	✅ Passed
6	Fill agency details	Data accepted	Filled correctly	✅ Passed
7	Upload document	File uploaded	Uploaded	✅ Passed
8	Submit form	Profile page opens	"My Profile" shown	✅ Passed

6. Test Data Used:

Field	Example Value
Name	Demo Testing
Email	z70335158+++++++@gmail.com
Phone	9832142238
Password	Password@123
Agency Name	Testing Agency
Country	Nepal
Registration No.	01245565

7. How to run the Project:

- Install Python.
- Clone or download this Project.

  git clone https://github.com/bajrariya/signup_automation_task

  cd signup_automation_task

- Install the required packages pip install -r requirements.txt
- Run the script python signup_automation_script.py
- After running, check the PDF report and demo video for results.

Submitted By : Riya Bajracharya.

Role: QA Intern

Tools Used: Python, Playwright, PyCharm.