

Selenium Automation Project README

Overview

This Selenium automation project is designed to automate the registration process on the codenboxautomationlab website (<https://codenboxautomationlab.com/registration-form/>) as phpTavels contain captcha which is cannot be automated. It uses Java as the programming language, Selenium WebDriver for browser automation, TestNG for test management, and Extent Report for reporting.

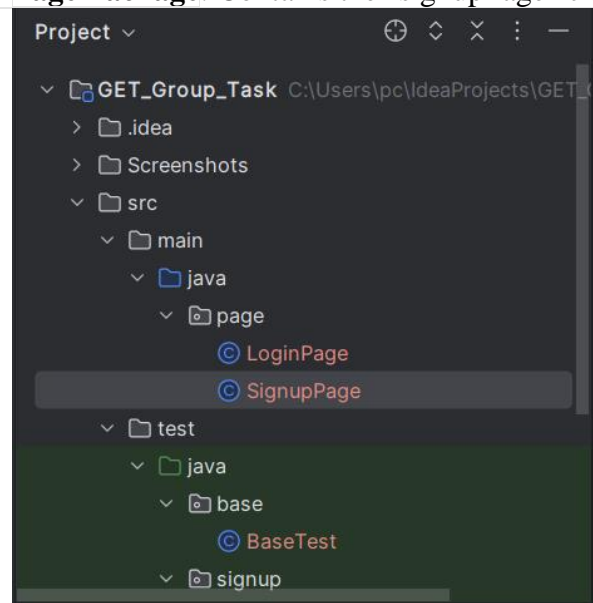
Features

- Automates the registration process on the codenboxautomationlab website.
- Validates user inputs according to specified criteria:
 1. First Name must start with a capital letter.
 2. Last Name must start with a capital letter and cannot be equal to the First Name.
 3. Mobile Number must be valid.
 4. Email must be unique for every user and must be valid.

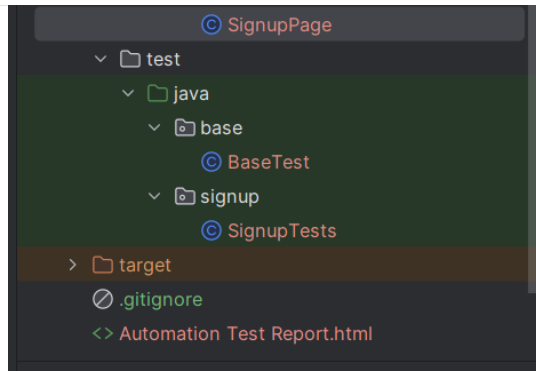
Components

The project consists of the following components:

1. **Page Package:** Contains the "signupPage" class, which defines the elements of the web page.



2. **Base Package:** Contains the "Base" class, which initializes the WebDriver and Extent Report. It also contains the "signup" class, which is the test class to verify the functionality of the registration process and validate user inputs



3. **Selenium WebDriver:** Used to interact with the web elements of the “codenboxautomationlab” website.
4. **Java Programming Language:** Used to write the automation scripts.
5. **Extent Report:** Used for reporting test results that generate screenshots in case of failure.

Tests		verify Email address
verify Email address	4:26:49 PM / 00:00:00:000	Pass
verify first name	4:26:50 PM / 00:00:00:000	Pass
verifyFirstNameMustStartWithCapitalLetter	4:26:51 PM / 00:00:00:007	Fail
verify last name	4:26:51 PM / 00:00:00:000	Pass
verify mobile number	4:26:52 PM / 00:00:00:001	Pass

Getting Started

To run the automation project locally, follow these steps:

1. Clone the repository to your local machine.
2. Ensure you have Java installed on your machine.
3. Set up the Selenium WebDriver for your preferred browser (Chrome, Firefox, etc.).
4. Open the project in your preferred IDE (Eclipse, IntelliJ, etc.).
5. Configure the project dependencies.
6. Run the Signup test class

Limitations

- This automation project is specific to the codenboxautomationlab website and may not work with other websites without modification.
 - It relies on the stability and availability of the codenboxautomationlab website. Changes to the website's structure or functionality may require updates to the automation scripts.
 - Captcha cannot be automated, so manual intervention is required during the registration process.
 - Test data is the only hard-coded due to the lack of built-in support for interactive console test data in IntelliJ IDEA.
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