Selenium Java Automation Project README file

Overview: This Selenium Java Automation Project is designed to automate a Website <https://rahulshettyacademy.com/seleniumPractise/#/>. Here we create a maven project to test some of pages of Green cart website and create test cases to automate this website.

Prerequisites:

* Java Development Kit (JDK) version 11.
* Apache Maven version 3.8.2.
* WebDriver (e.g., ChromeDriver, GeckoDriver, EdgeDriver) for the desired browser.
* TestNG testing framework.

Project Structure:

The project structure follows a standard Maven layout:

* src/main/java: contains java source code for automation.
* GreenCart\_Pages package: contains three object repos. Pages.
* CheckoutPage
* HomePage
* Negative\_ScenarioPage
* TestBase package: contains a Test Base Class
* Utilities package: contains some utils class.
  + CommanUtils: contains Screen shot code implementation.
  + ExtentSetup: contains Extent report code implementation.
  + ListenerImplementation: contains listener code implementation.
  + LogUtil: contains Logs implementation.
  + RetryAnalyzer: contains Retry code implementation.
  + TestUtill: contains Implicit and Explicit wait implementation.
* src/test/java: contains java test code implementation
* GreenCart\_Tests package: contains three tests Pages.
* CheckoutPageTest
* HomePageTest
* Negative\_ScenarioPageTest
* src/test/resources: contains configuration files.
* Configure.properties
* Log4j2.properties
* Logs: contains MyLog.log file
* MyLog.log
* Reports: contains screenshot and Reports of Test
* Screenshot: contains screenshot with the name same as test case and appended by a brief description of error.
* ExtentReport.html: contains details reports of testcases with screenshot.

Configuration:

Configure the project by editing the config.properties file in the src/test/resources directory. Customize browser settings, URLs, and other Test Data like:

base URL = https://rahulshettyacademy.com/seleniumPractise/#/

browser = EdgeHeadlessMode etc.

Running Tests:

We can run the Test Cases via these approaches:

1. Testng.xml
2. Run.bat: we can run the testcases via project folder repository

Reporting: After Run the testcases the test cases report generated in reports folder with screenshots which folder structure defined above.