

Prerequisites:

Setup

1. Install Node.js and npm.
2. Initialize a new Node.js project: ``npm init -y``.
3. Install necessary packages: ``npm install selenium-webdriver``.

Webdriver

1. Download the appropriate WebDriver for your chosen browser (e.g., ChromeDriver).
2. Ensure the WebDriver is in your system's PATH or specify its path in your test scripts.

Automation Steps:

Create a Test Project Structure:

1. Organize your project with directories for test script.

Write Page Objects:

1. Create page objects for the login page, appointment booking page, and appointments view page.
2. Encapsulate the locators and methods related to each page.

Set Up Test Environment:

1. Initialize Selenium WebDriver and set up the browser configurations.
2. Open the browser before running tests and close it afterward.

Write Login Tests:

1. Write test cases for valid login, invalid login, and password recovery.
2. Utilize page objects to interact with elements on the login page.

Write Appointment Booking Tests:

1. Create test cases for scheduling a valid appointment, handling invalid inputs, and confirming appointment details.
2. Use page objects to interact with elements on the appointment booking page.

Write Appointments View Tests:

1. Develop tests for viewing all appointments.
2. Utilize page objects for interactions with elements on the appointments view page.

Implement Explicit Waits:

1. Use JavaScript `setTimeout` function to implement delays.

Execute Tests:

1. Run your test suite using node (node run index.js).
2. Observe test execution and identify any failures.