



## ASSESSMENT - AUTOMATION ENGINEER

You are required to create automated tests for the following e-commerce demo site:

<https://www.advantageonlineshopping.com/>

### **Objective:**

Develop an end-to-end automation suite using **Playwright with TypeScript** to validate key user flows on the e-commerce demo site. The test suite should ensure reliability of critical customer journeys, with a focus on realistic interaction patterns and expected application behavior.

### Test Scenarios

Implement automated tests for the following user journeys:

1. Create a new user account, log in with valid credentials, log out, and validate error handling for invalid login attempts.
2. Add a product to the cart and start checkout; handle both logged-out redirection to login and direct payment flow for logged-in users.

### **Requirements:**

- Use **Playwright Test Runner**.
- Ensure test execution in **Chromium**
- Follow a structured **Page Object Model** design.
- Include appropriate **assertions** to validate page state, navigation, and element content.
- Provide a **README.md** file with instructions on setup, test execution, and prerequisites.
- Upload the code to **GitHub** and share the **repo URL** once it's ready