



## Assignment Instructions:

### 1. Homepage & Category Verification

- Navigate to the homepage: <https://automationteststore.com/>
- Dynamically detect and print all main category names (e.g., Men, Skincare, Fragrance).
- Navigate into any random category using dynamic logic (not hardcoded names).
- Assert that the category has at least 3 visible products.

### 2. Product Selection & Cart Addition

- Randomly select and add 2 products to the cart.
- Capture and log each product's:
  - Name
  - Price
  - Quantity
  - Product URL
- Validate if the cart counter updates correctly.
- If a product is out of stock or button is missing, log it in report.txt.

### 3. Cart & Checkout Workflow

- Navigate to the shopping cart.
- Assert that both added items are listed with correct price and total.
- Proceed to checkout and simulate user registration (use dummy data from testdata.csv).

### 4. Negative Scenario (Validation Testing)

- On the registration page:
  - Leave one required field empty (e.g., password or last name).
  - Attempt to submit and assert the error message is displayed.
  - Take a screenshot upon validation failure and store it in /screenshots/.

### 5. Reporting

- After test completion:
  - Log total product cost, failed validations, and skipped elements in a report.txt.
  - Ensure any failures automatically trigger a screenshot capture.

## Technical Guidelines

<i>Parameter</i>	<i>Requirement</i>
<i>Language</i>	Java
<i>Framework</i>	Selenium WebDriver
<i>Test Framework</i>	TestNG (preferred) or JUnit
<i>Design Pattern</i>	Page Object Model (POM)
<i>Wait Strategy</i>	WebDriverWait (no Thread.sleep)
<i>Test Data</i>	Externalized via .csv

### **Bonus Challenge (Optional):**

Implement logic to detect UI changes or hidden sections using JavaScript executor. Use retry logic for failed tests.

### **Integrity Clause:**

This assignment is designed to test your own problem-solving and technical skill. Please do not copy-paste solutions from GitHub, YouTube, or AI platforms. Submissions will be reviewed for originality, and any duplicated or GPT-generated content will be rejected.

### **Deadline:**

You are expected to submit your completed assignment within **3 calendar days** from the date of receipt. Submissions received after the deadline will not be evaluated.

We look forward to reviewing your submission.

Talent Team  
Ziegler Aerospace