**Testing Challenge Overview:**

This coding challenge is designed to allow you to demonstrate your abilities and discuss your approach to testing and automation with your potential colleagues. You are free to use whatever technologies you prefer but please be prepared to discuss the choices you’ve made.

Please take this as an opportunity to demonstrate the best of your abilities – feel free to mock out pieces of the automation and focus your time on exactly what you’d like to show us. We’re not looking for you to give up your weekend for this project, we want something to start a meaningful conversation.

**Business Need:**

One of the functions that we provide for our clients is the ability to calculate calories.

* Formula: Calories = 4 x protein + 4 x (Carbs) + 9 x (Fat) + 7 x (Alcohol) + 2 x(sugar alcohol)

Given a set of acceptance criteria, please:

* Write up any bugs found.
* Write up 3 test cases.
* Choose any test case and automate in the tool of your choice.

This is of course a contrived example. We want to know how you would test and automate and get a brief preview of how you work.

**Assumptions:**

* User must enter Protein, Carbohydrates, Dietary Fiber, Fat, Alcohol values.
* Calories must be calculated.

**User Story:**

As a User, I want to input nutrients data so that calories can be calculated.

**Data:**

Username: testUser

Password: Test1234

**Acceptance Criteria**

Scenario 1: Add Nutrients

GIVEN a Nutrient  
AND I am on the Nutrients Dashboard page  
WHEN I select Add Nutrient  
THEN I should be able to enter nutrients details  
AND the nutrient should save  
AND I should see the nutrient in the table  
AND the calories calculations are correct.

Scenario 2: Edit Nutrient

GIVEN a Nutrient  
AND I am on the Nutrients Dashboard page  
WHEN I select the Action Edit  
THEN I can edit nutrient details  
AND the data should change in the table.

Scenario 3: Delete Nutrient

GIVEN a Nutrient  
AND I am on the Nutrients Dashboard page  
WHEN I click the Action X  
THEN the nutrient should be deleted.