ControlUP - Automation Home Test

Welcome to the **ControlUp Automation Test**! In this assignment, you will implement **2 UI tests** and **3 API tests** based on the outlined requirements. This exercise aims to evaluate your coding proficiency, problem-solving skills, and adherence to best practices.

Instructions

1. **Scope of the Test**:
   - **UI Tests:** Interact with the online store at https://www.saucedemo.com.
   - **API Tests**: Interact with the Airport Gap API service https://airportgap.com.
2. **Technical Details**:
   - You are free to use any programming language and testing tools of your choice.
   - Submit your completed code via **GitHub** and share the repository link with us.
3. **Guidelines**:
   - Your code should follow clean coding principles and use common design standards.
   - Ensure your test cases are modular, well-documented, and easy to understand.

UI Tests

Scenario 1: Verify Inventory Items

1. Navigate to https://www.saucedemo.com and log in using the following credentials:
   a. **Username**: standard_user
   b. **Password**: secret_sauce
2. Verify that the inventory page displays exactly 6 items.

Scenario 2: Add Item to Cart

1. Log in as described in Scenario 1.
2. Add the first inventory item to the shopping cart.
3. Verify that the cart badge correctly displays the number 1.

API Tests

You will implement three API tests for the Airport Gap service, based on the following scenarios:

Scenario 1: Verify Airport Count

1. Send a GET request to the endpoint https://airportgap.com/api/airports.
2. Verify that the response contains exactly **30 airports**.

Scenario 2: Verify Specific Airports

1. Send a GET request to the endpoint https://airportgap.com/api/airports.
2. Verify that the response includes the following airports:
   ○ **Akureyri Airport**
   ○ **St. Anthony Airport**
   ○ **CFB Bagotville**

Scenario 3: Verify Distance Between Airports

1. Send a POST request to the endpoint https://airportgap.com/api/airports/distance with parameters for the airports **KIX** and **NRT**.
2. Verify that the calculated distance between these airports is greater than **400 km**.

Note: You can refer to the API documentation for more details: https://airportgap.com/docs.

Support

For any questions or clarifications, feel free to reach out to us.

Good luck, and we look forward to seeing your solutions!