**Sauce Demo Automation**

Sauce Demo is an E-Commerce website for buying products. This project is designed to showcase the ability to create a scalable, maintainable, and sustainable automation framework using Java, Selenium, and Cucumber.

**Project Description**

This project aims to develop an automation solution for testing the [Sauce Demo](https://www.saucedemo.com/) web application. The project is designed with the following requirements:

**Thing used in this Project:**

* **Java**:
* **Selenium**:
* **Cucumber/Gherkin**:
* **MAVEN**

**Project Structure**

The project follows the Page Object Model (POM) design pattern for maintainability and scalability. Here's a high-level overview of the project structure:

* src/test/java/features/Login: Feature file for test scenarios.
* src/test/java/PageObjectModel: Page Object for all pages
* drivers: Driver executables for browser automation.
* reports: Location for generated reports are in the target folder including html and JSON format.
* utilities: Utility classes for common functionalities.

**Getting Started**

To get started with this project, follow these steps:

* **Prerequisites**:
  + Ensure you have Java 17 or later version installed.
  + Set up Maven for your development environment.
  + Clone or download this project.
* **Configuration**:
  + Configure the project settings as needed.
* **Building and Running Tests**:
  + Use Maven to build and run the test suite
* **Reports**
  + Reports are in the target folder including html and JSON format.

**Test Scenarios**

The project includes automated tests for the following scenarios:

* **Login Test**: Tests the login functionality of the Sauce Demo web application.
* **Add Products**: Add the product to the cart.
* **Logout:** Logout from the Sauce Demo Web.