

# Demo Project : MultiBrowserTestSaucedemo

22 Sep 2024  
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## Overview

MultiBrowserTestSaucedemo is a test suite that leverages Selenium WebDriver and Selenium Grid to test the functionality of SauceDemo applications on different browsers. Docker to build and run tests on multiple browsers.

## Test Subject

### 1. Login

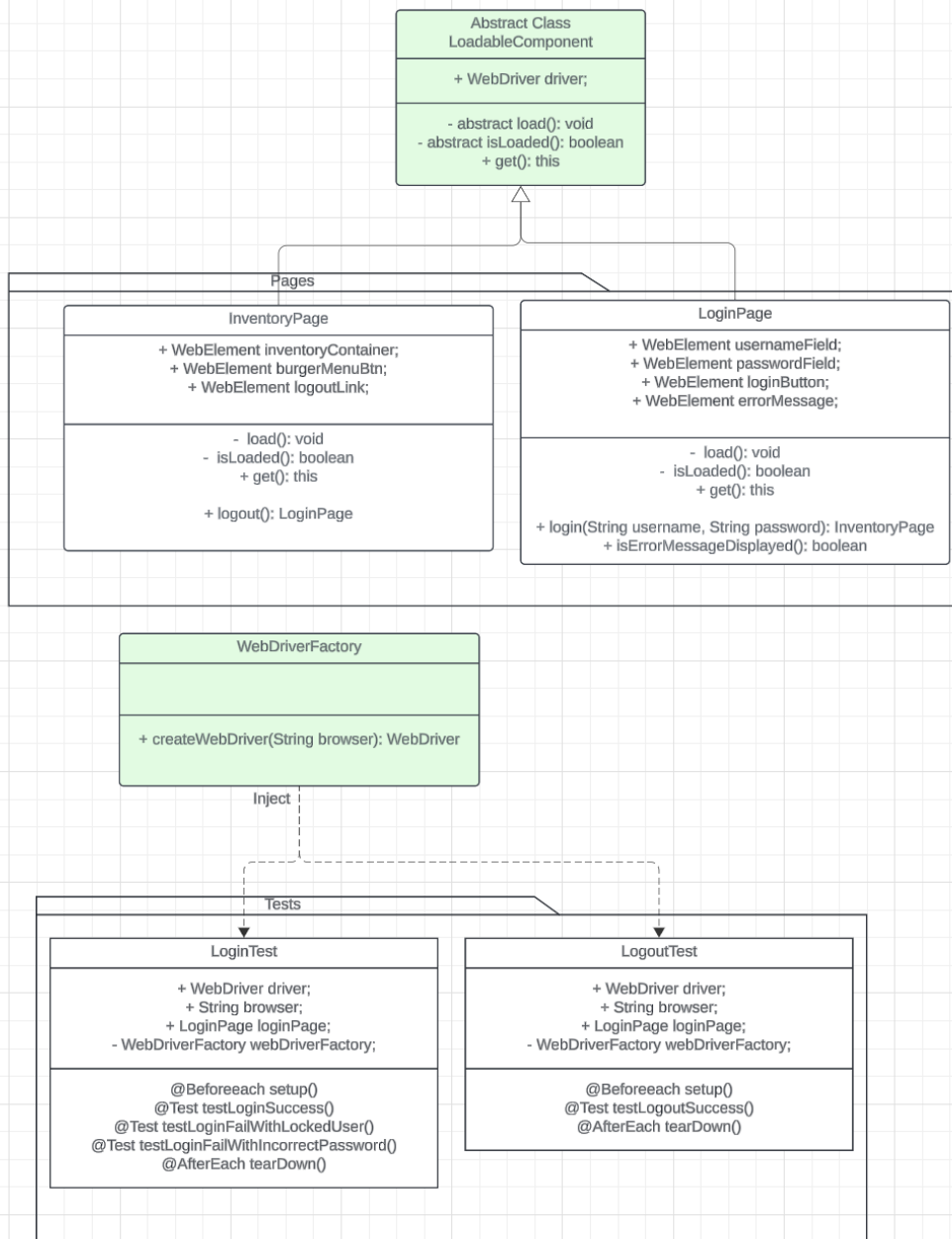
- Login operation using a correct username and password.
- Login operation using an unauthorized user.
- Login operation using an incorrect password.

### 2. Logout

- Confirmation for successfully log out after logging in.

## Class Diagram

GitHub URL: <https://github.com/TaekoHarada/MultiBrowserTestSaucedemo>



### **Selenium Grid Structure**

- **Hub:** Selenium Grid Hub is launched on the Docker container.
- **Node:** Each browser (Chrome, Firefox, Edge) is also run as a Docker container and connected to the Hub.

### **Conclusion**

In this demo, MultiBrowserTestSaucedemo was able to verify that the login and logout functions work correctly in all major browsers; the functions work consistently in Chrome, Firefox, and Edge, ensuring compatibility across browsers. In the future, we plan to expand the scope of testing and create a more advanced testing environment.