**Automation Test Documentation**

### Project Overview

This document provides an overview of the automation test project for the saucedemo website. The project is designed to automate the acceptance criteria provided in the user story.

### Project Details

* **Project Name:** Wizard Games Automation Test
* **Testing Framework:** Behave (Python)
* **Programming Language:** Python 3.10
* **Tested Website:** <https://www.saucedemo.com/>

### Project Structure

The project follows a standard directory structure for a Behave test automation project.

Wizard\_Games\_Automation\_coding test/

|-- features/

| |-- login.feature

| |-- order.feature

|-- steps/

| |-- login\_steps.py

| |-- order\_steps.py

|-- environment.py

|-- run\_tests.bat

|-- requirements.txt

|-- reports/

| |-- TEST-login.xml

| |-- TEST-order.xml

| |-- behave-report.html

| |-- test\_result.png

1. **features/**: Contains your Gherkin feature files describing the scenarios to automate.
   * **login.feature**: Feature file for login scenarios.
   * **order.feature**: Separate feature file for order-related scenarios.
2. **steps/**: Contains the step definitions for your Behave tests.
   * **login\_steps.py**: Step definitions for login scenarios.
   * **order\_steps.py**: Step definitions for order scenarios.
3. **environment.py**: Contains setup and teardown functions for your Behave tests.
4. **run\_tests.bat**: Batch file to run the Behave tests.
5. **requirements.txt**: File listing the Python dependencies required for your project. You can generate this using **pip install -r requirements.txt** in your shell after setting up your virtual environment.
6. **reports/**: Directory to store generated test reports and screenshots.
   * **TEST-login.xml**: XML report for login-related tests.
   * **TEST-order.xml**: XML report for order-related tests.
   * **behave-report.html**: HTML report generated by Behave.
   * **test\_result.png**: Screenshot of test results.

This structure aligns well with a typical Behave project setup. You can use the **run\_tests.bat** file to execute your Behave tests, and reports of test result in XML format and HTML format in the **reports/** directory.

Running the Tests

1. Ensure Python 3.6+ is installed on the system.
2. Activate a virtual environment if necessary.
3. Install required packages: **behave**, **selenium**, etcgive command **pip install -r requirements.txt** in pycharm terminal.
4. Navigate to the project directory in the terminal
5. Run the tests using the batch file: **run\_tests.bat**. Just click the bat file and the whole test case will run in terminal.

### Test Results

In terminal give this command behave -f behave\_html\_formatter:HTMLFormatter -o behave-report.html and the html formatter report of .html of detail test reslt is created and is available in reports folder.