Swag Labs Automation Test Plan

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| Test Plan Template: | Swag Labs Automation Test Plan |
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| Revision Summary:  14-07-2020: Initial Draft  18-07-2020: Updated with Test Cases, GitHub, and Jenkins  21-07-2020: Attached Report and updated the document | |

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# Introduction:

The main objective of this project is to develop automation scripts of Swag Labs using the Selenium-based Cucumber Behavior Driven Development (BDD) framework.

# Scope:

Scope of this project to automate below features of [Swag](https://www.saucedemo.com/) Labs application and integrating with git repository and Jenkins.

* Login Functionalities
* Product Sort Functionalities
* Add to Cart Functionalities
* Checkout Functionalities

# 3.Test Methodology:

## 3.1 Test Levels

**System Testing**: Conducted on a complete, integrated system to evaluate the system's compliance

**Integration Testing**: Conducted Integrated test with different pages available in the application

## 3.2 Test Completeness

Specifies the criteria that denote successful completion of a test phase

The run rate is mandatory to be 100%.

The pass rate is 80%, achieving the pass rate is mandatory

## 3.3 Project task and estimation and schedule

|  |  |  |
| --- | --- | --- |
| *Task* | *Members* | *Estimate Effort* |
| Manual Test Cases Creation | Madan | 2 hours |
| Automation Framework Setup | Madan | 4 hours |
| Automation Test Scripts Creation | Madan | 20 hours |
| Perform Test Execution | Madan | 4 hours |
| GitHub Setup and Integration | Madan | 1 hour |
| Jenkins Setup and Integration | Madan | 3 hours |
| Test Report | Madan | 1 hour |
| Total |  | **35 hours** |

## 3.4. Test Deliverables:

Test deliverables are provided as below

**Before the testing phase**

* Test plan document.
* Test cases documents

**During the testing**

* Test Tool Simulators.
* Test Data
* Execution logs.

**After the testing cycles is over**

* Test Results/reports
* Installation guidelines

# Testing Tools and Applications

|  |  |
| --- | --- |
| *No.* | *Resources* |
| 1 | Application URL |
| 2 | Java JDK 1.8.0 Latest Version |
| 3 | Eclipse IDE |
| 4 | Selenium Web Drivers |
| 5 | Browser Drivers |
| 6 | Maven Jars |
| 7 | Cucumber Jars |
| 8 | GitHub |
| 9 | Jenkins |

# Test Cases:

Test Cases are created based on application behavior. Test Cases are created such that they are highly detailed, clear, unambiguous, and covering all features of the application.



# GitHub

GitHub is a code hosting platform for version control and collaboration.

Git Hub location: <https://github.com/MadanQAX/SauceDemo>

# Jenkins

Jenkins is a self-contained, open-source automation server that can be used to automate all sorts of tasks related to building, testing, and delivering or deploying software.

Below 2 projects available in Jenkins:

1. **SauceDemoFirefox**: Automation scripts which are available in GitHub will run via Firefox as scheduled.
2. **SauceDemoChrome**: Automation scripts which are available in Local system will run via Chrome as scheduled.

# Reports/Results

Cucumber HTML report

