https://www.saucedemo.com/v1/img/SwagLabs_logo.png

TEST PALN

Product Name: Swag Labs (Frontend)

Prepared by: Samvel Melikyan

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Overview

For practical reasons, I chose the ‘SwagLabs’ shopping web application to perform manual and automation Testing, ‘https://www.saucedemo.com/”.

This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.

Scope

The scope of the project includes testing the following features of ‘https://www.saucedemo.com/’ web application.

Inclusions

* Login & Logout
* Filter
* Product Display Page
* Add to Cart
* Your Card
* Home Page
* Checkout Option
* Menu Option
* Footer Option

From our understanding, we believe above functional areas need to be Tested.

Test Environments

* Windows 10 – Chrome, Firefox and Edge
* Programming language – Java, Python
* Selenium Web Driver

Exclusions

* All the features except that are mentioned under ‘Inclusion’
* Any third-party features or Payment gateways

Test Strategy

As a result of research ‘Swag Labs’ web application, I understood the scope of my testing that should be performed in this application i.e. Functional Testing of all the functional functionalities mentioned in the above Scope section.

To perform the Functional Testing, I will follow below approach for Testing:

**Step#1 - Creation of Test Scenarios and Test Cases for the different features in scope.**

* I will apply several Test Designing techniques while creating Test Cases

o Equivalence Class Partition

o Boundary Value Analysis

o Decision Table Testing

o State Transition Testing

o Use Case Testing

* I will also use my knowledge in creating Test Cases by applying the below:
* Exploratory Testing
* Exploration
* I will priorities the Test Cases

**Step#2 – My Testing process in Application for Testing:**

* Firstly I will perform Smoke Testing to check whether the different and important functionalities of the application are working.
* If the application passes Smoke Testing, I perform the depth testing using the Test Cases created.
* Multiple Test Resources will be testing the same Application in Multiple Supported Environments simultaneously.
* I then report the bugs in bug tracking tool and send dev. management the defect found on that day in a status end of the day email.
* As part of the Testing, I will perform the below types of Testing:
* **Smoke Testing and Sanity Testing**
* **Regression Testing and Retesting**
* **Usability Testing, Functionality Testing**
* I will report Test Cycles until I get the quality product.

**Step#3 – I will follow the below best practices to make our Testing better:**

* **Context Driven Testing** – I will be performing testing as per the context of the given application.
* **(Shift Left Testing)** – I will start the testing from the beginning stages of the development itself, instead of waiting for the stable build.
* **Exploratory Testing** – I will perform Exploratory Testing, apart from the normal execution of the Test cases.
* **End to End Flow Testing** – I will test the end-to-end scenario which involves multiple functionalities to simulate the end user flows.

**Defect Reporting Procedure:**

During the test execution –

* Any deviation from expected behavior by the application will be noted. If it can’t be reported as a defect, it’d be reported as an observation/issue or posed as a question.
* Any usability issue will also be reported
* After discovery of a defect, it will be retested to verify reproducibility of the defect. Screenshots with steps to reproduce are documented.
* Every day, at the end of the test execution, defects encountered will be sent along with the observations.

Note:

* Defects will be documented in excel.
* Test scenarios and Test cases will be documented in an excel document.

Roles/Responsibilities

On this project I’m working alone.

* Create the Test Plan
* Create and execute the test cases
* Report defect
* Coordinate the test execution. Verify validity of the defects being reported.

Test Schedule

|  |  |
| --- | --- |
| Task | Duration |
| Creating Test Plan | Oct 4, 2023 to Oct 6, 2023 |
| Test Case Creation | Oct 6, 2023 to Oct 16, 2023 |
| Test Case Automation | Oct x, 2023 to Oct x, 2023 |
| Test Case Execution | Oct x, 2023 to Oct x, 2023 |
| Summary Reports Submission | Oct x, 2023 to Oct x, 2023 |

Test Schedule

The following are to be delivered to the client:

|  |  |  |
| --- | --- | --- |
| deliverables | Description | Target Completion Date |
| Test Plan | Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule | 06.10.2023 |
| Functional Test Cases | Test Cases created for the scope defined | 16.10.2023 |
| Test Case Automation | Test Cases Automated with programming language |  |
| Defect Report | Detailed description of the defect identified along with screenshots on a daily basis | N.A. |
| Summary Report | Bugs by Bug#,  Bugs by Functional Area and  Bugs by Priority |  |

Pricing

Not Applicable

Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

**Requirements Analysis**

Entry Criteria:

* Once the testing team receives the Requirements Documents or details about the Project

Exit Criteria:

* List of Requirements are explored and understood by the Testing team
* Doubts are cleared

**Test Planning**

Entry Criteria:

* Testable Requirements driven from the given Requirements Documents or Project details
* Doubts are cleared

Exit Criteria:

* Test Plan Document (includes Test Strategy) is signed-off by the Client

**Test Designing**

Entry Criteria:

* Test Plan Document is signed-off by the Client

Exit Criteria:

* Test Scenarios and Test Cases Documents are signed-off by the Client

**Test Execution**

Entry Criteria:

* Test Scenarios and Test Cases Documents are signed-off by the Client
* Application is ready for Testing

Exit Criteria:

* Test Cases Reports, Defect Reports are ready

**Test Closure**

Entry Criteria:

* Test Cases Reports, Defect Reports are ready

Exit Criteria:

* Test Summary Reports

Suspension and Resumption Criteria

Based on the Client decision, we will suspend and resume the Project.

We will ramp up and ramp down the resources as per Client needs.

Tools

The following are the list of Tools we will be using in this Project:

• XYZ Bug Tracking Tool

• Mind map Tool

• Snipping Screenshot Tool

• Word and Excel documents

Risks and Mitigations

The following are the list of risks possible and the ways to mitigate them:

Risk: Non-Availability of a Resource

Mitigation: Backup Resource Planning

Risk: Build URL is not working

Mitigation: Resources will work on other tasks

Risk: Less time for Testing

Mitigation: Ramp up the resources based on the Client needs dynamically

Approvals

Team will send different types of documents for Client Approval like below:

• Test Plan

• Test Scenarios

• Test Cases

• Reports

Testing will only continue to the next steps once these approvals are done.