**Test Plan**

Product Name: BrowserStack DEMO

Prepared by: Akram Shaikh

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Overview

As a part of the project, ‘BrowserStack DEMO’ asked Akram Shaikh to test few functionalities and of ‘https://bstackdemo.com/’ web application.

This document server the high-level test planning document with details on the scope of all the project, test strategy, test schedule and resource requirement, test deliverables and schedule.

Scope

The scope of the project includes testing the following features of ‘<https://bstackdemo.com/>‘ web application.

Inclusions

* Signin
* Logout
* Offer
* Order
* Favourites
* Vendor
* Order By
* Add to cart

We believe above function need to be Tested.

Test Environment

* Window 10 – Chrome, Firefox and Edge
* Mac OS – Safari Browser
* Android Mobile OS – Chrome
* iPhone Mobile OS – Safari

Exclusive

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

Test Strategy

‘Akram Shaikh’ communicated with ‘BrowserStack DEMO’ and has understood that we need to perform Functional Testing of all functionalities mention in above scope section.

As part of Functional Testing, we will follow the below approach for Testing:

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

* We will apply several Test Design Techniques while creating Test Cases
* Equivalence Class Partition
* Boundary Value Analysis
* Decision Table Testing
* State Transitions Testing
* Use Case Testing
* We also use our expertise in creating Test Cases by applying the below:
* Error Guessing
* Exploratory Testing
* We prioritise our Test Cases

Step#2 – Our Testing process, when we get an application for Testing:

* Firstly, we will perform Smoke Testing to check whether the different and important functionalities of the application are working.
* We reject the build, if the Smoke Testing fails and will wait for the stable build before performing in depth testing of the application functionalities.
* Once we receive a stable build, which passes Smoke Testing, we Perform in depth testing using the Test Cases created.
* Multiple Test Resources will be testing the same Application on multiple Supported Environment simultaneously.
* We then report the bugs in bug tracking tool and send dev. Management the defect found on the day in a status end of the day email.
* As part of the Testing, we will perform the below types of Testing:
* Smoke Testing and Sanity Testing
* Regression Testing and Retesting
* Usability Testing, Functionality & UI Testing
* We repeat Test Cycles until we get the quality product.

Step#3 – we will follow the below test practices to make our Testing Better:

* Context Driven Testing – We will be performing Testing as per the context of the given application.
* Shift Left Testing – We will start testing from the beginning stages of the development itself, instead of waiting for the stable build.
* Exploratory Testing – Using our expertise we will perform Exploratory Testing, apart from the normal execution of the Test Cases.
* End to End Testing – We will test the end to end scenario which involve multiple functionalities to simulate the end user flows.

Defect Reporting Procedure:

During the test execution –

* Any deviation from expected behaviour 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 issues 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, defect encountered will be sent along with the observations.

Note:

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

Roles / Responsibilities

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilities |
| Person A | Test Manager | * Escalations |
| Person B | Test Lead | * Create the Test Plan get the client signoffs * Interact with the application, cerate and execute the test cases * Report defects * Coordinate the test execution. Verify validity of the defects being reported. * Submit daily issue updates and summary defect report to the client. * Attend any meeting with client. |
| Person C | Senior Test Engineer | * Interact with the application * Create and Execute the Test cases. * Report defects |
| Person D | Test Engineer | * Interact with the application * Execute the Test cases. * Report defects |

Test Schedule

Following is the test schedule planned for the project –

|  |  |
| --- | --- |
| Task | Time Duration |
| * Creating Test Plan | Start Date to End Date |
| * Test Case Creation | Start Date to End Date |
| * Test Case Execution | Start Date to End Date |
| * Summary Report Submission | Date |

Test Deliverables

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 requirement, test deliverables and schedule | Date |
| Functional Test Cases | Test Cases created for the scope defined | Date |
| Defect Report | Details description of the defects identified along with screenshot and step to reduce on a daily basis. | NA |
| Summary Report | Summary Report –  Bugs by Bug #  Bugs by Functional Area and  Bugs by Priority | Date |

Pricing

NA

Entry and Exit Criteria

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

**Requirement Analysis**

Entry Criteria:

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

Exit Criteria:

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

**Testing Planning**

Entry Criteria:

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

Exit Criteria:

* Test Plan document (including 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, Defects Reports are ready

**Test Closure**

Entry Criteria:

* Test Case 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

Risk and Mitigations

The following are the list of risk possible and the way to mitigate them:

Risk: Non-Availability of Resource

Mitigation: Backup Resource Planning

Risk: Build URL is not working

Mitigation: Resource 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: