*Amazon Web Store*

Test Plan

Version *1.0*

*09/03/2020*

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1.0 | *John Doe* | *09/03/2020* |  |  | Initial Draft |
|  |  |  |  |  |  |
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# Introduction

## Purpose of The Test Plan Document

The purpose of this Test Plan Document is to describe the testing approach and other details relevant to the testing of the Amazon Web Store application. The details below will provide insight to key stakeholders about the types of testing, tools, testing strategies, and testing environments that will be leveraged to complete the testing of the Amazon Web Store Application.

# Test ITEM

## Project description

Amazon Web Store is an online application where Amazon’s customers can come and browse and purchase items they wish to buy. The portal also allows for merchants to present their products and sell them to customers via the Amazon platform.

## Items to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **User Story Description** | **Test Date** | **Responsibility** |
| US-001 | As an online customer, I want the ability to browse the products offered by Amazon and add them to my shopping cart so I can pay for them and receive them in the mail. | TBA | John |
| US-002 | As an online merchant, I want the ability to list my merchandise on Amazon's website so customers can purchase the items. | TBA | Mary |
| US-003 | As an online merchant, I want the ability to review my merchandise after I purchase my items. | TBA | Vanessa |
| US-004 | As online merchant, I want to view the total price of my purchase on the checkout | TBA | Binson |

## Items NOT to be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Card Validation | Third party apps |
|  |  |
|  |  |

## Test Approach(s)

The Amazon Web Store will be undergoing both functional and non-functional testing. For functional testing, the QA Team will be performing Unit, Integration, System, and UAT testing. The goal of the functional testing will be to identify defects and gaps in the requirements and code logic. For non-functional testing, the QA Team will be performing Load and Stress testing to identify bottlenecks and database transaction issues. All functional testing will, initially, be executed manually. Automation testing will be considered depending on various factors include time and budgetary constraints.

## Test Pass / Fail Criteria

A test case will be marked as ‘Passed’ when the following has occurred:

1. All of the steps of a test case have been executed
2. All of the steps of a test case have passed
   1. A step will be marked as passed only if the Expected Result matches the Actual Result

## Test Entry / Exit Criteria

* Entry Criteria: All of the below items must be met before testing can begin
  + Code must be Unit Tested with a coverage of at least 85%
  + Code must be deployed to the Testing Environment
  + Smoke/Sanity/Ad hoc Testing must be completed
  + Test Cases with Test Data have been designed and are ready to execute
  + Code Freeze has been implemented on the Testing Environment
  + Testing Environment is established and has been smoke tested
* Exit Criteria: All of the below items must be met before testing can be considered complete
  + 100% of the requirements/User Stories have been covered by test cases
  + There are 0 High and Medium Severity Bugs and <5% of Low Severity bugs
  + At least 95% of test cases have been executed
  + 100% of the high priority test cases have been executed
  + Scheduled deadlines have been met / Budget has been reached

## Test Deliverables

The following artifacts will be delivered to the client upon completion of the QA Testing phase:

* Test Plan Document
* Requirement Traceability Matrix
* Defect Reports
* Test Execution Reports

## Staffing / Training Needs

To effectively test the Amazon Web Store application, the QA Testing team requires 3 manual testers with knowledge on ALM and JIRA.

# Risk and mitigation

## Test Risks / Issues

|  |  |  |
| --- | --- | --- |
| Risk | Mitigation Plan | Contingency Plan |
| Changing Requirements | Keep the client updated on the progress of the project. Listen for feedback | Collaborate with Client and other key stakeholders to update timelines |
| Employee Turnover | Keep track of team members’ vacation plans and plan the testing milestones accordingly | Define backup resources in case a resource is not able to continue on the project |
| Delayed Code Delivery | Collaborate closely with Development team to ensure that any delays are highlighted as early as possible and a resolution is found | Collaborate with Client and other key stakeholders to update timelines |

# Test Environment and infrastructure

## Required Infrastructure

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Test Lead | * Reporting to the Project Manager, key stakeholders about the progress of the testing * Assigning tasks to the testing team to complete |
| Manual Test Engineer | * Designing and executing test cases * Documenting test results * Logging and tracking defects * Setup test data as needed |
| Automation Test Engineer | * Designing and executing test automation scripts * Debugging test automation scripts * Reporting to test lead the status of the automation testing |

# Test Schedule

## Milestones and schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
| Test Plan Document is created | Test Plan Document | 4 hours | 09/03/2020 | 09/26/2020 |
| Test Case Design | N/A | 15 hours | 09/03/2020 | 09/26/2020 |
| Test Data setup | N/A | 10 hours | 09/03/2020 | 09/26/2020 |
| Test execution | Test Results Report | 24 hours | 09/03/2020 | 09/26/2020 |
| Test Results Documentation | Test Results Report | 15 hours | 09/03/2020 | 09/26/2020 |
| Testing Completion | Test Results Report, RTM, Defect Report, etc. | N/A |  | 09/26/2020 |

# Test Plan Approval

The undersigned acknowledge they have reviewed the **Test Plan** document and agree with the approach it presents. Any changes to this Requirements Definition will be coordinated with and approved by the undersigned or their designated representatives.

|  |  |  |  |
| --- | --- | --- | --- |
| Signature: | Raf | Date: | 09/03/20 |
| Print Name: | Robinson Fanio |  |  |
| Title: | Senior QA tester |  |  |
| Role: |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Signature: |  | Date: |  |
| Print Name: |  |  |  |
| Title: |  |  |  |
| Role: |  |  |  |

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| Signature: |  | Date: |  |
| Print Name: |  |  |  |
| Title: |  |  |  |
| Role: |  |  |  |

Appendix A: References

The following table summarizes the documents referenced in this document.

|  |  |  |
| --- | --- | --- |
| **Document Name and Version** | **Description** | **Location** |
| *V1* | *Amazon website testing* | *WWW.AMAZON.COM* |

Appendix B: Key Terms

*[Insert terms and definitions used in this document. Add rows to the table as necessary.]*

The following table provides definitions for terms relevant to this document.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |