Ecommerce Project

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## **Introduction**

The Test Plan has been created to facilitate communication among the team members. This document describes approaches and methodologies that will apply to do the various types of testing on the Ecommerce Project. It includes the objectives, scope, test responsibilities, entry and exit criteria, schedule, major milestones, approaches, risk, and acronyms. This document has clearly identified what the test deliverables will be, and what is deemed in and out of scope.

An e-commerce site is an online platform that facilitates the buying and selling of products or services over the internet. It allows businesses to reach a global customer base, while providing convenience and flexibility for consumers to shop from the comfort of their own homes.

## **Test Items**

1. Feature to be tested.

|  |
| --- |
| * Verify the users are able to search the product |
| * Verify the users are able to add account from product cart and favorites sections. |
| * Verify the search page should be available in every page |
| * Verify the menu will be contain different categories and sub categories |
| * Verify the price section where must contains price option with details, rating image and view option. |
| * Verify the system should have language support |
| * Verify the user registration process |
| * Verify the registration process form social media like gamil, facebook |
| * Verify the card payment which should available into site |
| * Verify the confirmation email after complete the purchase process |
| * Verify the customer account reflection |
| * Verify the product to add into cart |
| * Verify the product from wishlist |
| * Verify the full purchase process |
| * Verify the successful payment process |
| * Verify the refund policy if any purchase failed |
| * Verify the payment process after saved the card |

**Logout**

|  |
| --- |
| * Verify the Product purchase status check |
|  |
|  |

## **Quality Objective:**

The objective of this Test Plan is to ensure reliability, system assurance and optimum performance and capacity utilization. This test plan focuses on comparing the performance of the application with respect to end-user expectations with the current and new production environment. Basically, testing enhancement and update to the existing system.

## **Test Methodologies :**

This project will be following agile methodology and work will be updated based on weekly iteration. The work is distributed on and will be followed according to requirements-based strategy specified in detail in this test plan. Each feature will be tested separately and along with each other after each phase and reports should be delivered according to the schedule. Test Cases should be created during exploratory testing. Testing methodologies (In scope/Out Scope) are given below:

i. ***Test Levels :***

In Scope:

* Functional Testing ( a Black-box type testing geared to the functional requirements of this application )
* Integration Testing ( to verify the combined functionality after integration )
* Mobile Cross-Device Testing ( check whether the system is supported in every mobile device )
* UAT ( For a tester’s perspective )
* Regression Testing

Out of Scope:

* Security Testing ( to check how the application is secure from internal and external threats )
* Performance Testing

***ii. Test Strategy :***

*Test Cases Preparation & Execution:*

* QA will be preparing test cases. This will cover all scenarios for requirements.
* Peer review will be conducted from time to time for test cases and test matrix by QA Lead.
* Respective Author of Test Case and Test Matrix will provide comments or suggestions on test cases and test coverage if needed.
* The author will re-work on the suggestions/improvements that has been given on Test Cases/Matrix and will send for approval. Re-worked improvements will be reviewed and approved by reviewer.
* Respective QA will execute Test Cases on test site based on designed scenarios, test cases and Test data.
* (Actual Result with Expected Result-> Pass/Fail) Test results will be updated in test case document/TestRail.

*Defect Logging and Reporting:*

* QA will log the defect/bugs in prospective management tool(Jira). After this, QA will inform the respective developer about the defect/bugs that have been logged.

*Retesting:*

* Respective QA will Retest for fixed bugs after it is resolved by respective developer. Bug/defect status will be updated accordingly. In certain cases, if it’s required then regression testing will be done.

*Deployment/Delivery:*

* Once all bugs/ defect that has been reported after complete testing are fixed, afterward if no other bugs are found, report will be deployed to test site by Product Owner(Mr. Salim).
* Once QA are done with the round of testing on the test site and if it is required Report will be delivered along with sample output by email to the respective team member.

## **Entry & Exit Criteria**

1. Entry Criteria

* QA resources have completely understood the requirements.
* QA resources have sound knowledge of functionality.
* Test Scenarios & Cases Approved.
* All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.
* Application Smoke Test Completed (If Applicable).

1. Exit Criteria

* Test Cases Execution Completed.
* A certain level of requirements coverage has been achieved.
* Outstanding Severity 1 & 2 Defects Completed
* No high priority is left outstanding.
* UAT Test Evidence Collected
* Test Closure Memo completed and signed off.

## **Suspension Criteria & Resumption Requirement**

|  |  |
| --- | --- |
| Suspension Criteria: | Resumption Requirement |
| If the start of the testing is delayed due to design tasks, the test cannot be extended beyond the UAT scheduled start date. | Some buffer has been added to the schedule for contingencies, although not as much as best practice advice. |
| Server issues. | The server should be in check/renewed from time to time. |
| A significant number of high and critical issues still open at or near the End-to-End testing phase. | Analysis of the open issues with other test groups, development, and product support to determine which issues can be deferred. |
| New feature/functionality added during the testing phase. | Extend the resting cycle or remove test requirements/ expectations. |

## **Resources & Environment Needs.**

i. Resources

|  |  |
| --- | --- |
| Description | Tool |
| Need a Database server | Server |
| API collection | Postman, Newman |
| Windows 10, Ram 4GB, CPU 3.4GHZ | Computer |

ii. Testing Tools

|  |  |
| --- | --- |
| Process | Tool |
| Test Case creation and Management | TestRail |
| Test Case Tracking and Execution | TestRail |
| IPA install and visualization | 3uTools |
| APK visualization | Vysor |
| Defect Management | Jira |
| Test Reporting | TestRail & Jira |

iv. Test Environment:

Support level (device for IOS): I phone 8

Support level (device for android): Redme 9

## ***10. Deliveries***

Test deliverables are provided as below :

Before testing phase

* Test plans document.
* Test cases documents/TestRail credential
* Test Design specifications.

During the testing

- Test Data

After the testing cycle is over

* Test Results/reports
* Defect Report
* Installation/ Test procedures guidelines
* Release notes