Volume Based Discounts – QA Test Plan

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## Overview

This Test Plan provides a general QA testing guideline for Volume Based Discounts.

Business Objective is to update the current checkout process to automatically apply volume-based discounts. Admins need to be able maintain the configurations of these discounts without involving Engineering.

**Who** is the user: ​

* Buyer wants to get the discount on purchasing 5 items at once

Process Flow:

1. Buyer buys 5 items of test kits
2. Go to checkout page
3. On selecting the purchase, buyer can either go for
   1. discount as the total number of items is >=5. The amount of the discounted value is equal to one of the items (possibly the item with the lowest price)
   2. or can add the promo code
4. Based on whichever returns the best offer from point 3, the buyer will choose that

​

## Objective

Determine Functional Tests to validate buyer gets the discount on purchasing 5 items

## Assumptions/Risks

The following Assumptions were used to determine the most appropriate QA scenarios.

#### Assumptions

1. Requirements have been reviewed and approved by the Business.
2. For API testing all the relevant end points have been tested successfully.
3. For any UI related changes, mockups must be provided
4. Frontend UI is tested in TEST environment

Risks: If tools/environments are unstable/inaccessible or if data is unavailable, delay in validations might be expected. Any delay in validation or other constraints will be promptly communicated to Product and Project Managers, Developers, and other relevant stakeholders.

## Types of Tests

### Functional Tests

Conducted by QA per Test Scenarios

### Regression Testing

Not applicable

### User Acceptance Testing

This happens in TEST. Not conducted by QA. Done by the Product owner. If any defect comes, QA will keep a track of it.

### Production Validation

This being the business validation (From the product features/display perspective) in the production environment it will be handled by the product owner.

## Entrance Criteria for Testing

* Test plan and test case(s) have been completed.
* Requirements and applicable documentation are available, complete, and up to date.
* Business rules if any are called out.
* Code has been unit tested.
* Code is available in TEST environment/applicable environment.
* Acceptance criteria should be defined in the User story or in QA Test Task

## Exit Criteria for Testing

* All test cases have been validated successfully in TEST environment/applicable environment.
* Test result has been reviewed and signed off by the Product Manager/Business.
* All high severity or top priority defects have been fixed.

## When-Timeline for Testing

* Once the code is ready and made available to the QA via sprint board, testing must begin.
* Test task will follow the timeline as per the sprint board
* If tools/environments are unstable/inaccessible or if data is unavailable, delay in validations might be expected.

## Where-Environment for Testing

* All validations are performed in TEST environment.

## What -Test In-Scope

For this release, scope is limited to

* validating the Frontend UI
  + validate the buyer finally sees the items selected, quantity of item and discount applied in the shopping cart
  + validate the submit payment page
  + validate the complete purchase page
* validating backend API

## Test Out-Scope

* For this release, no exclusive validations using DB
* No ETL testing

## Test Cases/Results

Test cases and results can be retrieved from <LINK>.

## Bug Reports

All the bugs will be linked to the QA stories and made available to the sprint board

## Contacts

|  |  |
| --- | --- |
| **Role** |  |
| Data Architect |  |
| Product Owner |  |
| Architect |  |
| UX Designer |  |
| Business Stakeholders |  |
| QA Analyst |  |
|  |  |

## Acronyms

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## Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision Date** | **Revision #** | **Revision** | **Revised By** |
| Date | V0.1 | Draft | Team |