**Test Plan- On Checkout Flow**

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## 1) Introduction

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project.

The plan identify the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

## 1.1) Scope

### 1.1.1) In Scope

All the feature of On Checkout flow which were defined in software are below:

|  |  |
| --- | --- |
| **Module Name** |  |
| * Add to bag * Product display Page * Shopping Bag * Checkout |  |

### 1.1.2) Out of Scope

These feature are not be tested because they are not included in the software requirement specs:

* SQL injections
* Security testing
* Load Testing

## 1.2) Quality Objective

Ensure the Application Under Test conforms to functional and non-functional requirements of the Checkout flow

## 1.3) Roles and Responsibilities

* QA Analyst :Manage the whole project,Define project directions,Acquire appropriate resources
* Test Manager: Identifying and describing appropriate test techniques/tools/automation architecture,Verify and assess the Test Approach.  
  Execute the tests, Log results, Report the defects.  
  Outsourced members

## 2) Test Methodology

### 2.1) Overview

The test methodology selected for the project would be Agile as It is flexible and highly adaptable to changes

### 2.2 Test Levels

In the On project for Checkout flow, there’re 3 types of testing should be conducted.

* **API testing:**Test all the APIs create for the software under tested
* **Functional testing:** Test the complete flow of the checkout.
* **Accessibility testing:** Verify that checkout page is meeting theaccessibility norms.
* **UI testing:** Verify that the UI is as per the design

### 2.3) Bug TriageThe goal of the triage is to

* To define the type of resolution for each bug
* To prioritize bugs and determine a schedule for all “To Be Fixed Bugs’.

### 2.4) Suspension Criteria and Resumption Requirements

If the team members report that there are **40%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.

### 2.5) Test CompletenessFor test completeness following criteria should be met:

* 90% pass test coverage
* All Manual & Automated Test cases executed
* All critical and blocker open bugs are fixed
* Acceptance criteria is met

### 2.6 Project task and estimations:

### Note: The estimations will be as per the requirements.

|  |  |  |
| --- | --- | --- |
| **Task** | **Members** | **Estimate effort** |
| **Create the test specification** | QA | hours |
| **Perform Test Execution** | QA | hours |
| **Test Report** | QA | hours |
| **Test Delivery** |  | hours |
| **Total** |  | hours |

## 3) Test Deliverables

Here mention all the Test Artifacts that will be delivered during different phases of the testing lifecycle.

Here are the deliverables

|  |
| --- |
| * Test Plan * Test Cases * Requirement Traceability Matrix * Bug Reports * Test Strategy * Test Metrics * Test Execution reports |

## 4) Resource & Environment Needs

### 4.1) Testing Tools

List of Tools required for testing would be:

* Requirements Tracking Tool- QC or Xray
* Bug Tracking Tool-Jira
* Automation Tools-Cypress
* API testing Tool-Postman

### 4.2) Test Environment

* Dev
* Test
* Staging
* Production

**After the testing cycles is over**

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