## **Test Plan for project Demoblaze Ecom**

### **1 Introduction**

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

The plan identifies 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 demoblaze ecom which were defined in software requirement specs are need to tested

|  |  |  |
| --- | --- | --- |
| Module Name | Applicable Roles | Description |
| User Account | Regular Consumer | An account is needed to track all the activities of a particular user |
| Login | Regular Consumer | Users will be able to login in the ecom with their valid credentials or with social networks. |
| Signup/Registration | Regular Consumer | Individual Users will be able to sign up in the ecom with their valid information or with social networks. |
| Online Payment | Regular Consumer | Users have to make card payment only |
| Product | Regular Consumer | Products will be available with their details with categories. |
| Cart | Regular Consumer | A cart system which will track all the items with purchase section while user shopping in ecom |
| Search | Regular Consumer | Search features will be available for all kinds of products. |
| Language | Regular Consumer | Both Bangla, English Language will be supported in ecom |
| Purchase tracking | Regular Consumer | Product should be tracked in different status (ordered, received, rejected, refunded, cancelled etc.) |
| Category | Regular Consumer | Menu will obtain different categories and subcategories. |
| Wishlist | Regular Consumer | User can add and see products in the wishlist section |
|  |  |  |
|  |  |  |

#### **1.1.2 Out of Scope**

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

* Hardware Interfaces
* Database
* Website Security and Performance

### **1.2 Quality Objective**

The test objectives are to **verify** the Functionality of webapp demoblaze, the project should focus on testing the **functional operation** such as Account information, payment, and product browsing,searching,online cart etc. to **guarantee** all these operations can work **normally** in a real business environment.

### **1.3 Roles and Responsibilities**

The project should use **outsource** members as the tester to save the project cost.

|  |  |  |
| --- | --- | --- |
| **No.** | **Member** | **Tasks** |
| **1.** | Test Manager | Manage the whole project  Define project directions  Acquire appropriate resources |
| **2.** | Test | 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 |
| **3.** | Developer in Test | Implement the test cases, test program, test suite etc. |
| **4.** | Test Administrator | Builds up and ensures test environment and assets are managed and maintained  Support Tester to use the test environment for test execution |
| **5.** | SQA members | Take in charge of quality assurance  Check to confirm whether the testing process is meeting specified requirements |

### **2 Test Methodology**

### **2.1 Overview**

### **2.2 Test Levels**

In the project Demoblaze, there is only one type of testing should be conducted.

* **System** Testing: Conducted on a **complete**, **integrated** system to evaluate the system's compliance with its specified requirements

### **2.3 Bug Triage**

### **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 Completeness**

* Specifies the criteria that denote a **successful** completion of a test phase
* **Run** rate is mandatory to be **100%** unless a clear reason is given.
* **Pass** rate is **80%,** achieving the pass rate is **mandatory**

### **2.6 Project task and estimation and schedule**

|  |  |  |
| --- | --- | --- |
| **Task** | **Members** | **Estimate effort** |
| **Create the test specification** | Test Designer | 1 man-hour |
| **Perform Test Execution** | Tester, Test Administrator | 2 man-hour |
| **Test Report** | Tester | 1 man-hour |
| **Test Delivery** | Tester | 1 man-hour |
| **Total** |  | **5 man-hour** |

**Schedule to complete these tasks**

### **Test Deliverables**

Test deliverables are provided as below

**Before testing phase**

* Test plans document.
* Test cases documents
* Test Report
* Bug report

**During the testing**

- Test Tool Simulators.

- Test Data

- Test Trace-ability Matrix - Error logs and execution logs.

**After the testing cycles is over**

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

### **4 Resource & Environment Needs**

### **4.1 Testing Tools**

|  |  |  |
| --- | --- | --- |
| **No.** | **Resources** | **Descriptions** |
| **1.** | Mobile | Need a mobile to surface through the different browser for webapp |
| **2.** | Test tool | Develop a Test tool which can auto generate the test result to the predefined form and automated test execution |
| **3.** | Network | Setup a LAN Gigabit and 1 internet line with the speed at least 5 Mb/s |
| **4.** | Computer | At least 1 computer runs in any os system with different browsers. |

### **4.2 Test Environment**

Os: Mac/windows

Mobile: Android/ios

Browser: Chrome/edge/firefox/safari