

TEST PLAN

<<EBay>>

Abstract

This document provides an overview of the project and the product test strategy, a list of testing deliverables and plan for development

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**VERSION HISTORY**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 1.0 | |  | *Vijay Kumar* | *9/01/2018* | |  | *Justin* | |  | *10/01/2018* | |  | Test Plan creation |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**INTRODUCTION**

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

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** **TEST STRATEGY**

**1.1** **Scope of Testing**

**1.1.1** **Feature to be tested**

Below mentioned Features are required to be tested.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Module Name** |  |  | **Applicable** |  |  | **Description** | |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  | **Roles** |  |  |  |  |  |  |  |
|  | **Login** |  |  | User |  |  | User can login into application only if already registered. | |  |  |  |
|  |  |  |  |  |  |  |  | |  |  |  |
|  | **Search** |  |  | User | |  | User can search a Product with or without category selection. | | |  |  |
|  |  |  |  |  | |  |  | | |  |  |
|  | **Product Access** |  |  | User |  |  | User can access searched Product. | |  |  |  |
|  |  |  |  |  |  |  |  | |  |  |  |
|  | **Buy It Now** |  |  | User | |  | User can purchase an item using ‘Buy It Now’ button. | | |  |  |
|  | **Add To Cart** |  |  | User |  |  | User can add and remove multiple items into shopping cart. | |  |  |  |
|  | **Checkout** |  |  | User | |  | User can change shipping address and add coupons to products. | | |  |  |
|  | **Payment** |  |  | User |  |  | User can pay either with PayPal or Credit/Debit card. | |  |  |  |
|  | **Product Tracking** |  |  | User | |  | User should able to track Product on application until it’s received. | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | |  |  |
|  |  |  |  |  |  |  |  |  | |  |  |

**1.1.2** **Feature not to be tested**

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

* User Interfaces
* Hardware Interfaces
* Software Interfaces
* Database logical
* Communications Interfaces
* Website Security and Performance

**1.2** **Test Type**

In this project, 3 types of testing should be conducted.

* **Integration** Testing (Individual software modules are combined and tested as a group)
  + **System** Testing: Conducted on a **complete**, **integrated** system to evaluate thesystem's compliance with its specified requirements
  + **API testing:** Test all the APIs create for the software under tested

**1.3** **Risk and Issues**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Risk** |  |  | **Mitigation** | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | **Team member lack the required skills for** |  |  | Plan **training course** to skill up your members | |  |  |
|  | **website testing.** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | **The project schedule is too tight; it's hard to** |  |  | Set **Test Priority** for each of the test activity. | |  |  |
|  | **complete this project on time** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | **Test Manager has poor management skill** |  |  | Plan leadership training for manager | |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A lack of cooperation negatively affects your** | **Encourage** each team member in his task, **and** |  |  |
|  | **employees' productivity** | **inspire** them to greater efforts. |  |  |
|  |  |  |  |
|  |  |  |  |  |
|  | **Wrong budget estimate and cost overruns** | Establish the scope before beginning work, pay |  |  |
|  |  | a lot of attention to project planning and |  |  |
|  |  |  |  |
|  |  | constantly track and measure the progress |  |  |
|  |  |  |  |  |
| **1.4 Test Logistics** | |  |  |  |
| **1.4.1 Who will test?** | |  |  |  |

The project will be tested by in-house Testing Team.

**1.4.2 When will test occur?**

The tester will start the test execution when all the following inputs are ready

* Software is available for testing
* Test Specification is created
* Test Environment is built
* Enough human resource for testing

**2** **TEST OBJECTIVE**

The test objectives is to **verify** the Functionality of purchasing a Product from EBay web application, the project should focus on testing the **operations** such as Account Management, Shopping cart, Payment Module and Purchase History to **guarantee** all these operation can work **normally** in real business environment.

**3** **TEST CRITERIA**

**3.1** **Suspension Criteria**

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

**3.2** **Exit Criteria**

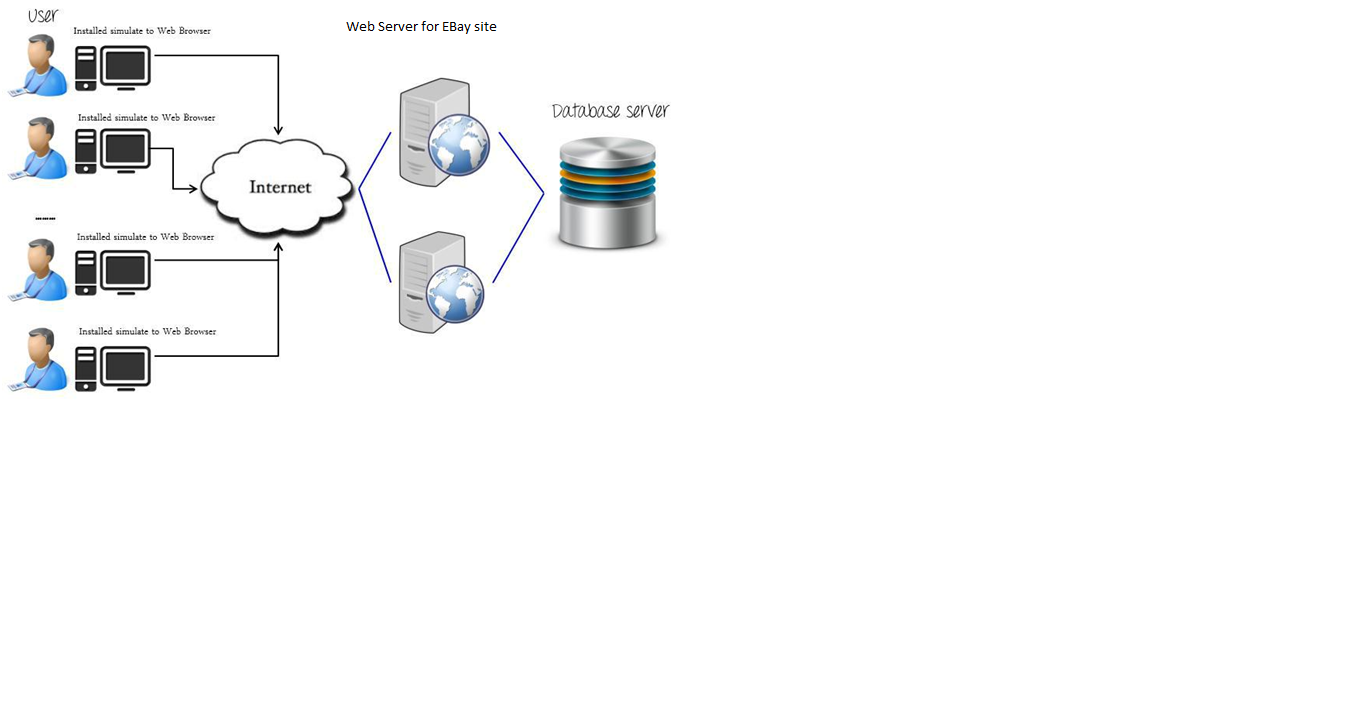
Specifies the criteria that denote a **successful** completion of a test phase

* **Run** rate is mandatory to be **100%** unless a clear reason is given.
* **Pass** rate is **80%,** achieving the pass rate is **mandatory**.

**4** **RESOURCE PLANNING**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **4.1** | **System Resource** | | | | | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **No.** |  |  | **Resources** |  |  | **Descriptions** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **1.** |  |  | Server |  |  | Need a Database server which install MySQL server |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | Web server which install Apache Server |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2.** |  |  |  | Test tool | |  | Develop a Test tool which can auto generate the test result to the pre- | | | | | | | | | |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |  | defined 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 4 computer run Windows 7, Ram 2GB, CPU 3.4GHZ | | | | | | | |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  | | |  | |  |  |  |  |  | |  |  |  |  |
| **4.2** |  |  | **Human Resource** | | | | |  |  |  |  |  | |  |  |  |  |
|  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |
| **No.** |  |  |  | **Member** | |  |  |  |  |  |  | **Tasks** | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |
| **1.** |  |  | Test Manager | | |  |  |  |  | Manage the whole project | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | Define project directions | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | Acquire appropriate resources | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  | |  |  | |  |
| **2.** |  |  |  | Tester |  |  |  |  |  | Identifying and Describing appropriate Test techniques/tools/automation architecture. | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | Verify and assess the Test Approach. | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | Execute the tests, Log results, Report the defects. | | | | |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **5** | **TEST ENVIRONMENT** | | | | | | | | | |  |  |  | |  |  |  |
| The Test Environment should be setup as figure below | | | | | | | | | | | | |  | |  |  |  |



**6** **SCHEDULE & ESTIMATION**

**6.1** **All project task and estimation**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Task** |  |  | **Members** |  |  | **Estimate effort** |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  | **Create the test** |  |  | Test Manager |  |  | 3 PD |  |  |
|  | **Specification**  **Test case Designing** |  |  |  |  |  |  |  |  |
|  |  |  | Tester |  |  | 5 PD |  |  |
|  | **Automation Designing** |  |  | Automation Tester |  |  | 3 PD |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  | **Perform Test** |  |  | Tester |  |  | 3 PD |  |  |
|  | **Execution** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  | **Test Report** |  |  | Tester, Test Lead |  |  | 1 PD |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  | **Total** |  |  |  |  |  | **15 PD** |  |  |
|  |  |  |  |  |  |  |  |  |  |

**6.2** **Schedule to complete these tasks**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Deliverable** |  |  | **Responsibility** |  |  |  | **End Date** |  |  |
|  |  |  |  | **Start Date** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Test cases** |  |  | Tester |  | 11/01/2018 |  | 16/01/2018 |  |  |
|  | **Test Case Review** |  |  |  |  |  |  |  |  |  |
|  |  |  | Test Lead |  | 17/01/2018 |  | 17/01/2018 |  |  |
|  | **Automation Test Suites** |  |  | Automation Tester |  | 1 18/01/2018 |  | 20/01/2018 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Execute Manual and Automation tests** |  |  | Tester, Test Lead |  | 21/01/2018 |  | 23/01/2018 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Defect Report** |  |  | Tester |  | 24/01/2018 |  | 24/01/2018 |  |  |
|  | **Test Summary Report** |  |  | Test Lead |  | 25/01/2018 |  | 25/01/2018 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

**7** **TEST DELIVERABLES**

Test deliverables are provided as below

**7.1** **Before testing phase**

* Test plans document
* Test cases documents
* Test Design specifications

**7.2** **During the testing**

* Test Tool
* Simulators
* Test Data
* Test Trace-ability Matrix
* Error logs and execution logs

**7.3** **After the testing cycles is over**

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