



## TEST PLAN DOCUMENT

### Introduction to team: -

| ROLE            | NAME                |
|-----------------|---------------------|
| PROJECT MANAGER | QASIM ABASS         |
| DEVELOPER       | ALI BABA.Com TEAM   |
| QA ANALYST      | SYED TABISH ISHTIAQ |
|                 | ASIM ABASS          |

### DOCUMENT VERSION: - 1.0

### Document Log: -

|             | Name           | Designation     | Version Number | Date         |
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| Created by  | Tabish Ishtiaq | Quality Analyst | Ver. 1.0       | 22-Sept-2020 |
| Reviewed by | Qasim AbAss    | Project Manager |                |              |
| Updated by  | Tabish Ishtiaq | Quality Analyst |                |              |
|             |                |                 |                |              |

### Introduction of Alibaba.com Web Application: -

Launched in 1999, Alibaba.com is the leading platform for global wholesale trade. We serve millions of buyers and suppliers around the world. As a platform, we continue to develop services to help businesses do more and discover new opportunities.

## **Target Customer's Market: -**

More than 190+ countries

### **The Basic Functionality of Application**

- 1) User can Sign up/Sign in Page (G. User, Supplier, Wholesaler).
- 2) User (G. User, Supplier, Wholesaler and Admin) can: -
  - Add
  - Delete
  - View
  - Update
  - Search
  - Sorting
  - Purchase
  - Sell
  - Selection
  - Submit
  - Contact to (Supplier, Wholesaler and App Support team)
  - Notifications and Alert Messages

### **Basic Functionality Modules of Application**

- User Account
- Search
- Messages
- Orders
- Products
  - Wholesaler
  - Suppliers
  - Featured Products
  - Related or Recommended Products
  - Product Details Page
- Shopping Cart
- Check-Out
- Payments
  - Refund on return
  - Status of Payment
- After Ordered Status
  - Change the Order
  - Cancel the Order
  - Track the Order
  - Returns

## **Purpose of this document: -**

This Document is to determine **Scopes, Strategy to be adopted, Methodologies, Scope of test, General Resources to be required and process to be adopted** to perform Test, Prepared for AliBaba.Com

## **Scope of Test Approach: -**

### **In Scope: -**

#### **Web Application (Front end)**

The basic features of the web application are: -

- 1) Headers and Footers (Front End)
- 2) User Account Accessibility
- 3) Home Page (Front End)
- 4) Categories (Front End)
- 5) Ready to Ship (Front End)
- 6) Trade Shows (Front End)
- 7) Personal Protective Equipment (Front End)
- 8) New Buyer Rewards (Front End)
- 9) Services (Front End)
- 10) Sell on AliBaba.com
- 11) Online Support (Front End)

#### **QA Resources Allocated:**

- 1) Syed Tabish Ishtiaq

#### **QA Backup Resource**

Asim Abbas

### **Out of Scope: -**

Unit Testing, Environment Setup and troubleshooting

### **Testing Types: -**

#### **Black Box Testing: -**

- Exploratory Testing

#### **W3C Validation: -**

- Applied on whole application code

#### **Functional Testing: - (Automation Tool: Selenium IDE and Web driver and language: Python)**

- Component Testing.
- Smoke Testing.
- Integration Testing.
- Regression Testing.
- Sanity Testing.

- System Testing.
- User Acceptance Testing.
- Data Base Testing.
- Alpha Testing
- Beta Testing

### **Non-Functional Testing: -**

- Performance Testing.
- Load Testing.
- Compatibility Testing.
- Usability Testing.
- Security Testing.
- Synchronizing Testing.

### **System Test Entrance/Exit Criteria**

#### **Entrance Criteria**

- All developed code must be unit tested, smoke tested and sanity tested
- Unit Testing, Smoking Testing and Sanity Testing along with Fixed and Non-Fixed Bug Reports (Screen Shots)
- Test Environment is setup (Required Software's are Installed on QA system)
- Test Data, Access to DB, User Accounts, Credentials
- FRS Functional Requirement Specifications
- BRS Business Requirement Specifications

#### **Exit Criteria**

- All High Priority errors from System Test must be fixed and tested
- If any medium or low-priority errors are outstanding - the implementation risk must be acceptable by Business representative.
- Full project team must be comfortable with the quality of project before going to Production.
- Final Sign Off by Stack holders and Business IT personal.

### **Deployment Test Plan: -**

### **Testing Environment Framework and IDE: -**

- Pytest
- Pycharm IDE
- Selenium Suite

- **Python**
- **Testing Server**
- **Path for Test and Stage: -**
  - Ask developers to make Test and Stage environment backups.
  - Ask developers to copy database from Production to Test and Stage.
  - Announce a Code Freeze for the entire development team.
  - Retest new features and bug fixes.
  - Perform general smoke testing using checklists.
  - Report all bugs, categorizing them with a consistent metric for urgency.
  - Test urgent bug fixes and engage in regression testing of this functionality.
  - When Test and Stage is tested and has no major and/or minor bugs (depending on the project), — announce deployment.

### **Production: -**

- Ask developers to make Production environment backups.
- Live Server
- Real User's Accessibility
- When Stage is tested and has no major and/or minor bugs (depending on the project)
- Announce deployment.

### **Deliverables: -**

Daily Scrum Meeting (Duration:15 Minutes)

- Conduct Discussion on progress of work
- Resolves Issues

Bug Status Summary: -

- Bug reports/status updates will be provided daily at the PM's discretion or Project Management Tool.

### **Testing Process: -**

Testing: -

- Prototypes and Mockups
  - GUI / UI
  - Cosmetic Bugs
- W3C Validation
- Manual Testing
- Automation Testing
- QA executes Test Cases
- Prepare Test Execution Report
- Prepare Bug Report
- Prepare Test Summary Report

Reporting: -

- QA will report using tool such as Jira, Trello etc.
- QA Assign Bug to Project Manager (PM)

Fixing: -

- Developer will fix the bug assign back to QA

Verification: -

- QA will verify the bug fixes

Closure: -

- If Bug is fix QA will close the bug

Not Fixed: -

- QA will reassign bug to Developer

### **Error Management & Configuration Management: -**

- During System Test, errors will be reported in project management tool as they are detected on test environment.

### **Duplication of Bug: -**

- If in case of duplication of bugs, PM shall close the duplicated bugs to avoid re-work or move for next sprint.
- QA will not open new bugs in case of found old bugs again will reopen the bug.

### **Bugs Priority Levels: -**

Bugs, which are agreed as valid, will be categorized as follows by the Error Review Team: -

- **Priority 1**- Serious errors that prevent System test of a particular function continuing or serious data type error
- **Priority 2** - Serious or missing data related errors that will not prevent implementation.
- **Priority 3** - Minor errors that do not prevent or hinder functionality.

### **Testing Needs: -**

- Test System for Application
- Pycharm IDE
- Python
- Selenium Suite
- System Requirement Specification (SRS)

### **Demo Project's Needs: -**

- Access to DB
- User Accounts Credentials
- Test Data

### Issues/Risks: -

- No Changes or Inclusions will be entertained in this release.

#### Exceptions: -

- Requires expressed permission of Project Manager and Stakeholders for acquiring changes.
- If the changes required extra efforts of test team, then the whole cycle of testing can be changed for retesting and replanning of Test Cycle.
- Extra time and efforts will be required

### Assumptions: -

- Project will be delivered on time.
- Project is of the required quality.
- Required resources available.
- All documentation will be up to date and delivered to the system test team