Jadroo.com

Test Plan

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1. Introduction

The Test Plan has been created to facilitate communication within the team members. This document describes approaches and methodologies that will apply to do the various types of testing on the Jadroo.com for web and Jadroo.com_app for android part. It includes the objectives, scope, test responsibilities, entry and exit criteria, schedule major milestones, approaches, risk, and acronyms. This document has clearly identified what the test deliverables will be, and what is deemed in and out of scope.

*Used Framework: PHP , Laravel , Next.js , ANT Design (*found out from https://builtwith.com/ *)*

Website URL: *https://www.jadroo.com/*

2. Test Items

  I. Feature to be tested.

    Register

- Registration can be done by Username, Password, Email Id, Phone number, Terms of use, Submit
- That tab functionality is working properly or not
- Ability to show the missing required information.
- The first letter of name should have in capital letter
- Name should be accepted only for letters.
- Name can't be in special character or number.
- Show the message of "The password should have at least 6 characters".
- User name and domain of an email address can't be in capital letter.
- Enter/Tab key works as a substitute for the Submit button

- All the fields such as Username, E-mail, Phone number, Password and other fields have a valid placeholder
- The labels float upward when the text field is in focus or filled (In case of floating label)
- All the required/mandatory fields are marked with * against the field
- Clicking on submit button after entering all the mandatory fields, submits the data to the server
- The system generates a validation message when clicking on submit button without filling all the mandatory fields.
- entering blank spaces on mandatory fields lead to validation error
- clicking on submit button by leaving optional fields, submits the data to the server without any validation error
- case sensitivity of Username (usually Username field should not follow case sensitivity – 'fariha' & 'FARIHA' acts same)
- system generates a validation message when entering existing username
- the character limit in all the fields (mainly phone number and password) based on business requirement
- the username validation as per business requirement (in some application, username should not allow numeric and special characters)
- the validation of email field by entering incorrect email id
- The validation of numeric fields by entering alphabets and characters
- The "terms and conditions" checkbox is unselected by default (depends on business logic, it may be selected or unselected)
- The validation message is displayed when clicking on submit button without selecting "terms and conditions" checkbox

II.   Feature not to be tested.

- Header
- Footer
- Navigation.
- Navy blue Banner.
- Overlays prompting messages.
- Floating "Messenger"
- Login
- Log out

3. Quality Objective:

The objective of this Test Plan is to ensure reliability, system assurance and optimum performance and capacity utilization. This test plan focuses on comparing the performance of application with respective

to end user expectations with the current and new production environment. Basically, testing enhancement and update to the existing system.

4. Test Methodologies:

This project will be following agile methodology and work will be updated based on weekly iteration. The work is distributed on and will be followed according to requirement-based strategy specified in detail in this test plan. Each feature will be tested separately and along with each other after each phase and reports should be delivered according to the schedule. Test Cases should be created during exploratory testing. Testing methodologies (In scope/Out Scope) are given below:

i. *Test Levels:*

In Scope:

- Functional Testing (a Black-box type testing geared to the functional requirements of this application)

Out of Scope:

- Integration Testing (to verify the combined functionality after integration)
- Performance Testing (check whether the system meets the performance requirements)
- Cross-browser Testing (check whether the system is supported in every browser)
- Security Testing (Payment) (to check how the software or application or website is secure from internal and external threats)
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- UAT (For a tester's perspective)
- Regression Testing (Cart, Checkout Flow) (Repeated testing of same module)
- Database Testing.
- API Testing

ii. Test Strategy:

Test Cases Preparation & Execution:

- QA will be preparing test cases. This will cover all scenarios for requirements.
- Peer review will be conducted from time to time for test cases and test matrix by QA Lead.

- Respective Author of Test Case and Test Matrix will provide comment or suggestions on test cases and test coverage if needed.
- Author will re-work on the suggestions/improvements that has been given on Test Cases/Matrix and will send for approval. Re-worked improvements will be reviewed and approved by reviewer.
- Respective QA will execute Test Cases on test site based on designed scenarios, test cases and Test data.
- (Actual Result with Expected Result-> Pass/Fail) Test result will be updated in test case document.

Defect Logging and Reporting:

- QA will log the defect/bugs in prospective management tool. After this, QA will inform the respective developer about the defect/bugs that has been logged.

Retesting:

- Respective QA will Retesting for fixed bugs after it is resolved by respective developer. Bug/defect status will be updated accordingly. In certain cases, if it's required then regression testing will be done.

Deployment/Delivery:

- Once all bugs/ defect that has been reported after complete testing are fixed, afterwards if no other bugs are found, report will be deployed to test site by PM.
- Once QA are done with the round of testing on test site and if it is required Report will be delivered along with sample output by email to the respective team member.
- QA will hand over the hard copy of delivery documents to the respective developer.

5. Roles & Responsibilities:

Role:	Contact Name & Information:	Responsibilities
Project Manager	X ja@jadroo.com	1. The primary contact for the development and QA team. 2. Participate in Test Scenarios. 3. Participate in Test Cases review. 4. Responsible for Project schedule and the overall success of the project 5. Verify sign Off on Requirements, Test Scenarios, Test Cases.

QA Lead	Y	he@jadroo.com	1. Participation in the project plan creation/update process. 2. Planning and organization of test process for the release. 3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing. 4. Report progress on work assignments to the PM 5. Monitor quality metrics and performance throughout each testing phase. 6. Monitor QA burn down rate and status.
QA	Z	mj@jadroo.com	1. Understand the features requirements. 2. Writing and executing Test cases. 3. Preparing RTM 4. Reviewing Test cases, RTM with PM, QA Lead 5. Preparation of Test Data 6. Log in Defects and keep tracking. 7. Retesting and regression testing 8. Bug Review meeting 9. Provide and monitor Testing Schedule to team members. 10. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling.

6. Entry & Exit Criteria

I. Entry Criteria
- QA resources have completely understood the requirements.
- QA resources have sound knowledge of functionality.
- Test Scenarios & Cases Approved.
- All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.
- Application Smoke Test Completed (If Applicable).

II. Exit Criteria
- Test Cases Execution Completed.
- A certain level of requirements coverage has been achieved.
- Outstanding Severity 1 & 2 Defects Completed
- No high priority is left outstanding.
- UAT Test Evidence Collected

- Test Closure Memo completed and signed off.

7. Suspension Criteria & Resumption Requirement

Suspension Criteria:	Resumption Requirement
If the start of the testing is delayed due to design tasks, the test cannot be extended beyond the UAT scheduled start date.	Some buffer has been added to the schedule for contingencies, although not as much as best practice advise.
Server issues.	Server should be in check/renewed from time to time.
Significant number of high and critical issues still open at or near End-to-End testing phase.	Analysis of the open issues with other test groups, development, and product support to determine which issues can be deferred.
New feature/functionality added during the testing phase.	Extend the resting cycle or remove test requirements/ expectations.

8. Resources & Environment Needs.

i. Resources

Description	Tool
Setup a LAN Gigabit and 1 internet line with the speed at least 5 Mb/s	Network
Windows 10, Ram 4GB, CPU 3.4GHZ	Computer
Android 8.1(Oreo)upgrade to Android 10, Ram 4GB, CPU Octa-core 2.0GHz Cortex-A53	Mobile

ii. Testing Tools

Process	Tool
Test Case creation	Microsoft Excel
Test Case Tracking	Microsoft Excel
Test Case Execution	Manual, Selenium
Test Case Management	Microsoft Excel

Defect Management	Jira
Test Reporting	Microsoft Excel & Jira

iii. Configuration Management: GitHub

iv. Test Environment:
   Support level (browsers): Windows 10: Edge, Chrome (latest)
    Android version: 9PPR1.180610.011, Chrome (latest)

9.Test Schedule

Task Name	Start	Finish	Done BY	Estimated Time
Test Planning	27/01	27/01	Fariha	3 hours
Review Requirements documents	30/01	31/01	Fariha	30 minutes
Create test basis	03/04	03/05	Fariha	30 minutes
Staff and train new test resources	__	___	Fariha	30 minutes
First deploy to QA test environment	03/07	03/07	Fariha	2 hours
Functional testing: Iteration 1	03/08	03/09	Fariha	2 hours
Iteration 2 deploy to QA test environment	03/09	03/11	Fariha	30 minutes
Functional testing – Iteration 2	03/11	03/15	Fariha	30 minutes
System testing	03/11	03/12	Fariha	2 hours
Regression testing	03/11	03/12	Fariha	4 hours
Resolution of final defects and final build testing	03/11	03/12	Fariha	3 hours
Deploy to Staging environment	03/12	03/12	**Future work**	
Release to Production	03/13	03/13	**Future work**	

10. Deliveries

Test deliverables are provided as below:

Before testing phase

- Test plans document.

- Test cases documents

- Test Design specifications.

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

11. Risk & Assumptions

Risk:

1. Registration may fail when internet fluctuates
2. in old / no-updated browser , system may fail to load when javascript if disabled

Assumptions:

1. For some optimization of resources , test plan may fail
2. Skill level of resources
3. Availability of test tools/resources
4. Delays in training on the application and/or tools.

12. Terms/Acronyms

Term/Acronyms	Definition
API	Application Programming Interface
PM	Product Manager
QA	Quality Assurance
RTM	Requirements Traceability Matrix
UAT	User Acceptance Testing

13. Approvals

Approved By	Approval Tittle	Date	Attachment
1. X	Product Manager	24 - feb - 2021	None
2. Y	QA Lead	24 - feb - 2021	None