Cellsii.com

Test Plan

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| Nuruddin | 1.0 | Nov 28, 2021 |  |

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## **Introduction**

The Test Plan was created to facilitate communication within the team. Various types of testing will be conducted on the website https://www.cellsii.com . This document includes objectives, scope, test responsibilities, entry and exit criteria, schedule major milestones, approaches, risks, and acronyms. This document clearly specifies what the test deliverable are, and what is considered within and outside of scope.

***Used Framework:*** *As there is no automation necessary, frameworks won’t be needed.*

***Website URL: https://www.cellsii.com/profiles-add/***

## **Test Items**

1. Feature to be tested.

**Registration/Sign Up**

* Should have basic input box like ‘Name’, ‘Email’, ‘Mobile No.’, ‘Password’, And button ‘Create Account’.
* Should be able to take input in the input boxes.
* Able to click on the button ‘Create Account’.
* Should have options to register with ‘Facebook’ & ‘Google’.
* Able to navigate to Homepage.

1. Feature not to be tested.

* Header
* Footer
* Navigation.
* Side Advertisement banner.

## **Quality Objective:**

Its purpose is to ensure reliability, system assurance, and optimal performance and capacity utilization. It compares performance of application with the current and new production environment in terms of end-user expectations. A system enhancement or update is basically tested.

## **Test Methodologies:**

Agile methodology will be used in this project, and work will be updated weekly. The work will be distributed according to the requirements-based strategy outlined in this test plan. The features will be tested one by one after each phase and should be reported according to the schedule. Test cases will 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)
* Cross-platform Testing (check whether the system is supported in Website & Android app)
* UAT (For a tester’s perspective)

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

*Defect Logging and Reporting:*

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

*Retesting:*

* Respective QA will Retest for fixed bugs after it is resolved by the 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/ defects that have been reported after complete testing are fixed, afterwards if no other bugs are found, the report will be deployed to the test site by PM.
* Once QA is done with the round of testing on the 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.

## **Roles & Responsibilities:**

|  |  |  |
| --- | --- | --- |
| Role: | Contact Name & Information: | Responsibilities |
| Project Manager | X [ja@food52.com](mailto:ja@food52.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@food52.com](mailto:he@food52.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. |

## **Entry & Exit Criteria**

1. 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).

1. 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 out.
* UAT Test Evidence Collected
* Test Closure Memo completed and signed off.

## **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 buffers have been added to the schedule for contingencies, although not as much as best practice advice. |
| Server issues. | Server should be in check/renewed from time to time. |
| Significant number of high and critical issues still open at or near the 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. |

## **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 |

ii. Testing Tools

|  |  |
| --- | --- |
| Process | Tool |
| Test Case creation | Microsoft Excel |
| Test Case Tracking | Microsoft Excel |
| Test Case Execution | Manual |
| 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), Firefox (latest), Safari (latest)

Android Phone

## **9.Test Schedule**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task Name | Start | Finish | Done BY | Estimated Time |
| Test Planning | \_\_ | \_\_ | Nuruddin | 3 hours |
| Review Requirements documents | \_\_ | \_\_ | Nuruddin | 30 minutes |
| Create test basis | \_\_ | \_\_ | Nuruddin | 30 minutes |
| Staff and train new test resources | \_\_ | \_\_\_ | Nuruddin | 30 minutes |
| First deploy to QA test environment | \_\_ | \_\_ | Nuruddin | 2 hours |
| Functional testing:  Iteration 1 | \_\_ | \_\_ | Nuruddin | 2 hours |
| Iteration 2 deploy to QA test environment | \_\_ | \_\_ | Nuruddin | 30 minutes |
| Functional testing – Iteration 2 | \_\_ | \_\_ | Nuruddin | 30 minutes |
| System testing | \_\_ | \_\_ | **Future work** | 2 hours |
| Regression testing | \_\_ | \_\_ | **Future work** | 4 hours |
| UAT | \_\_ | \_\_ |  | 2 hours |
| Resolution of final defects and final build testing | \_\_ | \_\_ | Nuruddin | 3 hours |
| Deploy to Staging environment | \_\_ | \_\_ | **Future work** |  |
| Performance testing | \_\_ | \_\_ | **Future work** | 30 minutes |
| Release to Production | \_\_ | \_\_ | **Future work** |  |

## ***10. Deliveries***

Test deliverable 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

## ***Risk & Assumptions***

**Risk:**

1. 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.

## **Terms/Acronyms**

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

## **Approvals**

|  |  |  |  |
| --- | --- | --- | --- |
| Approved By | Approval Tittle | Date | Attachment |
| 1. X | Product Manager | \_\_\_ | None |
| 1. Y | QA Lead | \_\_\_ | None |