**TEST PLAN FOR HUMAN FUND**

**Introduction**

Human Fund is a responsive fundraising platform designed to help students build better life through donor funds. It builds a frictionless giving experience that celebrates the impact of each donation, with smart gift suggestions for next steps, that helps build better donor relationships.

**Objective**

This plan specifies the tests that Software Architects intend to execute to investigate the correctness of the Human Fund application.

**Assumptions**

Assumptions: Browser testing in Chrome with using fake credit cards found in

<https://developer.wepay.com/docs/articles/testing>

**Scope**

**In-Scope**: Test plan specific to <https://www.virtuous.org/sample-giving/>.

Browser testing only, Automation Tests

**Out of Scope**: Any other components/test scenarios other than the ones mentioned here will be out of scope. Load and Performance testing will be out of scope.

**Test Strategy**

**System Testing:**

**Definition**: System testing is to test the application for end-to-end functionalities and integration tests will be performed as part of this

**Participants**: QA Engineer

**Methodology**: After the developers build the features and deploy into QA environment, smoke and system testing is performed with the test cases/scenarios discussed and approved.

**Automation Testing:**

**Definition**: Regression testing is performed to retest the existing system to verify/make sure modifications have not caused unintended effects and that system/component still works as specified in the requirements

**Participants**: QA Engineer

**Methodology**: Automation framework will be built, and the scripts will be written to analyze the test results and create bugs accordingly on the QA environment respectively

**Timelines**

* Test Scenario Preparation: 01/26/2022
* Test Documentation: 01/27/2022
* Test Execution: 01/27/2022

**Environments**

* QA
* UAT
* Production

**Roles and Responsibilities**

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| --- | --- | --- |
| Name | Role | Responsibilities |
| Tejaswini | Quality Assurance Engineer | UI and Automation testing |

**Approvals**

Approval needed for sign off from QA Team, Dev Team, Project Manager and Product Owner

**Team Information**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibilities** |
| Tejaswini | Quality Assurance Engineer | UI and Automation testing |
| Test A | Development Owner | Development activities |
| Test B | Product Owner | Providing Requirements |
| Test C | QA Manager | Testing activities |
| Test D | Development Manager | Development activities |

**Tools**

* **Requirement Tracking tools**: Confluence/VSTS
* **Defect Tracking tools**: Jira
* **Automation Tools**: Selenium, TestNG
* **CI/CD**: Jenkins, GitHub
* **Test Case Management Tools**: Test Rail

**Risks and Mitigation**

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| --- | --- |
| **Risks** | **Mitigation** |
| Team member lacking skills for website testing | Plan training courses to skill up your members |
| The project schedule is too tight; it’s hard to complete the project on time | Set Test Priority for each test activity |
| Wrong budget estimate | Establish the scope before beginning work |

**Entry Criteria**

* QA environment is stable and ready to be tested with features that are to be developed.
* 100%-unit testing should be completed

**Exit Criteria**

* All P0 tests have been executed
* No P0 bugs are present
* Sign Off provided by QA and the team