TEST PLAN FOR
RED THREAD INNOVATIONS

1 Introduction

The Test Plan has been created to communicate the test approach. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverable will be and what is deemed in and out of scope.

1.1 Scope

The initial phase will include all 'must have' requirements. These and any other requirements that get included must all be tested. At the end of the testing, a tester must be able to:

1. Create a manual test with as many steps as necessary
2. Save it
3. Retrieve it and have the ability to view it when running the test
4. View results

Load testing and performance testing will not be considered part of this project since the user base is known and not an issue.

Rewriting, moving or porting existing test cases from the existing Word documents is not considered part of this project.

1.2 Quality Objective

- Ensure the Application Under Test conforms to functional and non-functional requirements
- Ensure the AUT meets the quality specifications defined by the client

2 Test Methodology

2.1 Overview

The project is using an waterfall approach. Because in this application we mainly verify design and responsiveness. Tests for planned functionality will be created and added to Test Cases as we get iterations of the product.

2.2 Test Levels

Types of Testing to be executed on the Application as per below.

- UI Testing
- Sanity Testing
- Acceptance Testing
- Validation testing
- Boundary value testing
- Responsive testing
- Cross browser testing
- **Automation Testing (Perform Below Test Cases)**
  - RTI1.1
  - RTI1A.1
- **Data Driven Testing (Perform Below Test Cases)**
  - RTI5.6
  - RTI5.7
  - RTI5.9
  - RTI5.16

2.3 Test Completeness

- 100% test coverage
- All Manual Test cases executed

3 Resource & Environment Needs

3.1 Testing Tools

- Python 3.9
- PyCharm Community Edition 2021.1.1

3.2 Test Environment

- Windows 10
  - Browser
    - Google Chrome (Version 92.0.4515.107)
    - Firefox (Version 90.0.2)
    - Microsoft Edge (Version 92.0.902.55)

- Mac OS Sierra
  - Browser
    - Safari (Version 13.1)

- One Plus 6T (Android version 10)