**TEST PLAN**

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**1 Introduction**

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

* 1. **Objectives**

Zopa is a web-based platform that provide simple loans and smart investments that help people take control of their finances and do more with their money.

This platform is mostly written in Ruby and back end in .NET, SQL and Python. The Quality Assurance team is responsible for testing the product and make sure the product answers all their unique actions, needs and points of interaction with the product.

Phase 2 of the recruitment process will be complete the signup flow as a new Borrower at Zopa using Selenium and Requests a quote on behalf of an applicant with API testing, write the test cases and traceability matrix of it and provide metrics on coverage of requirements, tests ran and pass rate to the Zopa team.

* 1. **Team Members**

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| --- | --- |
| **Resource Name** | **Role** |
| Donaldo Guevara | Quality Assurance |
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|  |  |

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 Phase 1, a tester must be able to:

1. Obtain a Quote
2. Get personalized rates
3. View results

Load testing will not be considered part of this project

1. **Test Approach**

Exploratory testing will play a large part of the testing, test Automation and API testing will be released to the Zopa team, implementing the best practices and high quality standard in the test code.

* 1. **Test Automation**

To complete the tests provided by the Zopa team UI test automation is considered for this project using Selenium-Java

**3.2 API Testing**

API testing will be considered to hit the Quote without credit file endpoint.

1. **Test Environment**

Production Environment

1. **Milestones / Deliverables**

* 1. **Test Schedule**

The initial test schedule follows.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task Name** | **Start** | **Finish** | **Effort** | **Comments** |
| Test Planning | 09/22/2017 | 09/22/2017 | ½ day |  |
| Review Requirements documents | 09/22/2017 | 09/22/2017 | 1 hour |  |
| Create initial test estimates | 09/22/2017 | 09/22/2017 | 1 hour |  |
| Exploratory testing | 09/22/2017 | 09/22/2017 | 1 hour |  |
| Create git repository | 09/22/2017 | 09/22/2017 | 1 hour |  |
| Create testing Framework | 09/22/2017 | 09/22/2017 | 2 hours |  |
| Automated tests | 09/23/2017 | 09/26/2017 | 4 days |  |
| Add reports to Automated tests | 09/23/2017 | 09/24/2017 | ½ day |  |
| Test Cases | 09/26/2017 | 09/26/2017 | 2 hours |  |
| API testing | 09/27/2017 | 09/27/2017 | 1 day |  |
| Traceability matrix | 09/26/2017 | 09/26/2017 | 2 hours |  |
| Release | 09/28/2017 |  |  |  |
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* 1. **Deliverables**

|  |  |  |
| --- | --- | --- |
| **Deliverable** | **For** | **Date / Milestone** |
| Test Plan | Zopa Team | 09/28/2017 |
| Traceability Matrix | Zopa Team | 09/28/2017 |
| Test Results | Zopa Team | 09/28/2017 |
| Test Status report | Zopa team | 09/28/2017 |
| Metrics | Zopa Team | 09/28/2017 |
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**6 Testing tools**

Testing tools using during the project.

|  |  |
| --- | --- |
| **Proccess** | **Tools** |
| Test Cases | Google Docs |
| Traceability Matrix | Google Docs |
| Test Plan | Google Docs |
| Git Repository | GitHub |
| Automation Framework | TestNG |
| API testing | Postman |
| Automated tests | Selenium |
| Java Project Management tool | Maven |
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