TEST STRATEGY



Abstract

This document provides an overview of the project and the product test strategy, a list of

Testing deliverables

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**VERSION HISTORY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version**  **#** | **Write by** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Outline** |
| TBD | Richard Severich | 17/08/2022 |  |  | Test Strategy |
|  |  |  |  |  |  |
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# INTRODUCTION

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of Leave feature of IRL.

The plan identifies the items to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

## 1 TEST STRATEGY

### 1.1 Scope of Testing

#### 1.1.1 Feature to be tested

All the feature of IRL which were defined in software requirement specs are need to be tested

|  |  |  |
| --- | --- | --- |
| **Module Name** | **Applicable Roles** | **Description** |
| Chats | User | **User**: A user should be able to manage chat |
| Prompts | User | **User**: A user should be able to manage prompts. |
| Login | User | **User**: A user should be able to login. |
| Sign up (crear cuenta) | User | **User:** A user should be able to create account. |

#### 1.1.2 Feature not to be tested

These features are not tested because they are not included in the Leave module requirement specs

* Notifications
* Search
* Profiles

### 1.2 Test Strategy

#### 1.2.1 Test Types

In IRL, there are 4 types of testing that should be conducted.

* **Functional**

Testing the requirements against the software last version

* **User Interface**

Testing the visual elements to verify that they are functioning according to requirements.

* **User Experience**

testing different aspects of user experience to determine the best way for the IRL website and its elements to interact with the final user.

* **API**

Testing the functionality, reliability, performance, and security of the programming interfaces.

#### 1.2.2 Include

* Cross browser testing
  + Google chrome (Version 103.0.5060.114 (Official Build) (64-bit))
  + MS Edge (Version 103.0.1264.49 (Official build) (64-bit))
  + Firefox

#### 1.2.3 Test Cases

* Priority Levels
  + High
  + Medium
  + Low

### 

### 1.3 Risk and Issues

|  |  |
| --- | --- |
| **Risk** | **Mitigation** |
| Low Internet connection working from home | Work at the office |

### 1.4 Test Logistics

#### 1.4.1 Who will test?

The module should be tested by a Tester.

#### 1.4.2 When will test occur?

The tester will start the test execution when all the following inputs are ready

* Software is available for testing
* Test Specification is created
* Test Environment is built

## 2 TEST OBJECTIVES

The test objectives are to **verify** the Functionality of IRL.

## 3 TEST CRITERIA

### 3.1 Suspension Criteria

Considering the maturity of the project, if the team members report that there are **30%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.

### 3.2 Exit Criteria

Specifies the criteria that denote a **successful** completion of a test phase

* **The 100% of the test cases should be run** unless a clear reason is given.
* **Pass** rate is **90%,** achieving the pass rate is **mandatory**.

## 4 RESOURCE PLANNING

### 4.1 System Resource

|  |  |  |
| --- | --- | --- |
| **1** | Test tool | **Jira Test**: for test case creation and run, and bug tracking and bug reporting |
| **2** | Network | internet line with the speed at least 10 Mb/s |
| **3** | Computer | A desktop computer with Windows 10, Ram 16GB, CPU 20GHZ |
| **4** | Documentation Tool | **Snagit:** to add image attachments to test cases and other documents. |
| **5** | API Tool | **Postman:** for testing API |

### 4.2 Human Resource

|  |  |  |
| --- | --- | --- |
| **1.** | Test Manager | Manage the whole project |
| **2.** | Tester (QAs) | Identifying and describing appropriate test techniques and tools.  Execute the tests, Log results, Report the defects. |

## 5 TEST ENVIRONMENTS

The Test Environment should be setup as figure below

Diagram

Description automatically generated

## 6 SCHEDULE & ESTIMATION

### 6.1 All project task and estimation

|  |  |  |
| --- | --- | --- |
| **Create the test specification** | Tester | 32 man-hours |
| **Perform Test Execution** | Tester | 3 man-hours |
| **Test Report** | Tester | 8 man-hours |
| **Test Delivery** | Tester | 10 man-hours |
| **Total** |  | **53 man-hours** |

TEST DELIVERABLES

Test deliverables are provided as below

* Test plans Strategy
* Test Plan report
* Bug reports