**Test Plan   
for**

**JIRA**

**patch no. 444**

*ChangeLog*

| **Version** | **Change Date** | **By** | **Description** |
| --- | --- | --- | --- |
| 1.0 | 2022.05.17 | Jirassic World | BugHunt |
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**1** **INTRODUCTION 3**

1.1 Scope 3

*1.1.1* *In Scope 3*

*1.1.2* *Out of Scope 3*

1.2 Quality Objective 3

1.3 Roles and Responsibilities 3

**2** **TEST METHODOLOGY 4**

2.1 Overview 4

2.2 Test Levels 4

2.3 Bug Triage 4

2.4 Entry Criteria 4

2.5 Suspension Criteria and Resumption Requirements 4

2.6 Exit Criteria 5

**3** **TEST DELIVERABLES 5**

**4** **RESOURCE & ENVIRONMENT NEEDS 5**

4.1 Testing Tools 5

4.2 Test Environment 5

**5** **TERMS/ACRONYMS 5**

# Introduction

Our semi-independent (we work at Atlassian, in another department) testing team had been asked to manage the Regression Testing of Jira’s (an issue tracking and project management tool) new patch, no. 444 before release. For such assignments, we apply Agile methodology through a model-based, heuristic approach. Various Black-box testing techniques will be used accordingly. Boldly, we use Jira itself to manage the project.

## Scope

### In Scope

Based on the specification our tasks are the following functions:

**login** - Empty credentials, Wrong password, Captcha after 3rd try, Successful Login-> Validation of login functionalities  
 **logout** -Validation of logout functionalities  
 **browse project** - Validation of Browse Project functionalities. In Projects / View all projects the available projects should contain COALA, JETI, and TOUCAN projects  
 **create issue** - Validation of Create Issue functionalities

Using the Create button to create an issue, projects COALA, JETI and TOUCAN should be available to choose from

Using the Create button, for projects COALA, JETI, or TOUCAN, the available issue types to create should be Story, Task, Bug, and Sub-task  
 **browse issue** - Validation of Browse Issue functionalities. TOUCAN project has at least 3 issues that can be browsed individually (with ID 1, 2, 3). JETI project has at least 3 issues that can be browsed individually (with ID 1, 2, 3). COALA project has at least 4 issues that can be browsed individually (with ID 1, 2, 3, 4)

**edit issue** - Validation of Edit Issue functionalities. TOUCAN project’s issue with ID 1, 2 and 3 can be edited by your user. JETI project’s issue with ID 1, 2 and 3 can be edited by your user. COALA project’s issue with ID 1, 2, 3 and 4 can be edited by your user

We need to find out if any of the new changes interfered with the previously created basic functionalities.

### 1.1.2 Out of Scope

We won’t check other functionalities since there was no mention of them in the requirements.

## Quality Objective

* Ensure the Application Under Test conforms to functional requirements.
* Ensure the AUT meets the quality specifications defined by clients.
* Bugs/issues are identified and the bug report is handed over to the developer team..

## Roles and Responsibilities

The project team members are the following:

* QA Analyst: Géza Buzás
* Test Manager/Scrum master: Boglárka Maródi
* Manual testers/test administrators: Bence Bunta, Zsolt Varga
* Developers: András Tardos, Ferenc Györgyi

# Test Methodology

## Overview

We chose the “Agile” methodology because the product we are testing is already launched and thousands of users are using it on a daily basis. Our clients need to provide the best possible service, thus they focus on continuous quality assurance.

## Test Levels, types, etc.

Level of our tests: system and regression. Our approach to the challenge is Reactive→ Dynamic and heuristic. Mainly black-box testing techniques will be applied according to the tasks. We observe usability as well.

## **2.3 Bug** Triage

All found bugs will be categorized based on severity and likelihood. There will be four groups established:

- 1.: severe and frequent  
 - 2.: severe and rare  
 - 3.: not severe but frequent  
 - 4.: not severe and rare.

The bug report will be handed over to the developer team and they will fix the problems based on categories.

## 2.4 Entry Criteria

- All required personnel are available at the time being.  
- Access is granted to the application.  
- All the equipment needs are sustained.

## 2.5 Suspension Criteria and Resumption Requirements

If during testing 40% of the executed test cases fail the process must stop. Until the developer team didn’t fix all of the faults found previously, the testing can not be continued. After the bugs get fixed retest/regression testing is mandatory.

## 2.6 Exit Criteria

- 100% test coverage

- All Manual & Automated Test cases executed

- All open bugs are fixed or will be fixed in next release

# Test Deliverables

- Test Plan  
 - Test Cases  
 - Requirement traceability matrix  
 - Bug reports  
 - Summary report

# Resource & Environment Needs

## Testing Tools

Requirements Tracking Tool – Atlassian – Jira, Google sheets

Bug Tracking Tool – Atlassian – Zephyr Scale

## Test Environment

At least 3 laptop or desktop computers with stable, 150Mbps internet connection is required.

The following softwares are required in addition to client-specific software.

operation system: Windows 10 and above

browser: Google Chrome

# Terms/Acronyms

| **TERM/ACRONYM** | **DEFINITION** |
| --- | --- |
| AUT | Application Under Test |
| UAT | User Acceptance Test |