

Antarcticle Project Test Plan

Version 1.0

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Test Plan	Date: 24.03.2018

Revision History

Date	Version	Description	Author
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Test Plan

1. Introduction

1.1 Purpose

The purpose of this test plan is to describe the process of testing the Antarcticle Project (<http://qa.jtalks.org/antarcticle>). This document allows you to get an idea of testing, ways of testing and testing time. In this document, it is not intended to describe the text of the cases, the defects found, and also their analysis.

1.2 Background

The Antarctic Project gives users the opportunity to share information by publishing articles, reviewing various articles, and commenting on them.

1.3 Scope

The purpose of testing this project is to check its compliance, check its main functionality, and cross-browser testing. Also, some time will be spent on testing negative scenarios, because they have the opportunity to detect the presence of defects.

The final results of the testing process will be the following documents:

1. Test report with test results.
2. Bug report in a bug tracking system.

Testing will be manual using the black box method.

2. Test Strategy

During the test process, the necessary adjustments may be made to the test plan. The main priority will be to determine the stable operation of the main features of the project. The necessary test cases will be created, which will help to determine the presence of existing weaknesses or defects. All found defects will be added in the bug tracking system for further correction.

Stage 1: Analysis of documentation, preparation of a test plan;
 Stage 2: Preparation of the necessary test-cases and check-lists;
 Stage 3: Running tests;
 Stage 4: Providing test reports.

3. Features to be tested.

- *Sign Up* - HIGH
- *Sign In* - HIGH
- *Article CRUD* - HIGH
- *Comment CRUD* - HIGH
- *Tag Filter* - HIGH
- *Sign Out* - MEDIUM
- *Profile page* – LOW

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4. Features not to be tested.

Security and load testing will not be tested due to the lack of time.

5. Test approaches.

Testing will take place *manually* with the use of *black box testing*. From the types of testing you can distinguish the following: *functional, regression, usability, compatibility, user interface and localization testing*.

When verifying input data, such test design techniques as *equivalent classes* and *boundary values* will be used. *Decision tables* and *state-transition diagrams* will also be used.

Tests will be conducted per the documented test cases stored. The test manager will create test runs for each tester. The tester will execute the tests. The tester should leave notes on actual results and any other relevant details when possible.

Operational systems to be tested:

1. Windows 7
2. Windows 8
3. Windows 10
4. MAC OS

Browsers to be tested:

1. Google Chrome 65.0.33.25
2. Opera 51
3. Firefox 59.0.1
4. Internet Explorer 11

6. Scheduled work.

Task	Volume of work	Starting date	Expiry date
<i>Analysis of requirements</i>	6 hours	24.03.2018	25.03.2018
<i>Documentation</i>	4 hours	25.03.2018	26.03.2018
<i>Test-case design</i>	6 hours	26.03.2018	27.03.2018
<i>Test execution</i>	8 hours	27.03.2018	28.03.2018
<i>Debugging</i>	5 hours	28.03.2018	29.03.2018
<i>Analysis of testing</i>	3 hours	29.03.2018	30.03.2018

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7. Test environment.

<i>Operational systems</i>	Windows 7 Windows 8 Windows 10 Mac OS
<i>Browsers</i>	Google Chrome 65.0.33.25 Opera 51 Firefox 59.0.1 Internet Explorer 11
<i>Screen resolution</i>	1366x768 1280x800 1280x1024 1680x1050 1920x1080
<i>Mobile devices resolution</i>	480x800 640x960 768x1280 1024x768 1366x768

Test stand: qa.jtalks.org/antarcticle

Tasks: **Atlassian JIRA**

Requirements: wiki.jtalks.org

Tests: **Google Docs**

8. Criteria for the beginning and end of testing.

Testing can be started if the following conditions are met:

1. The necessary documentation is ready and approved;
2. The tested functionality is finished and ready for testing.

Testing is complete when all found defects are documented.

9. Pass/fail criteria.

All core functionality of the systems should function as expected and outlined in the individual test cases. There must be no critical defects found. 95% of all test cases should pass and no failed cases should be crucial to the end-user's ability to use the web-site.

10. Risks.

1. Impossibility to test the project on all possible devices and systems.
2. Changes in the requirements for the project.