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| --- | --- | --- | --- |
| ID | Author | Version | Date |
| TP\_1 | DevChallenge QA | 1.0 | Jun 23, 2018 |

**TripMyDream – Test Plan**

**Update history:**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Author | Version | Description |
| Jun 23, 2018 | DevChallenge QA | 1.0 | Initial draft |

**References:**

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Author | Version | Description |
| Checklist.xlst | DevChallenge QA | 1.0 | List of tests |
| Test Report.docx | DevChallenge QA | 1.0 | Summary of test activities |
| Jira Project | DevChallenge QA | 1.0 | <https://devfinalqa.atlassian.net/secure/Dashboard.jspa> |
| Critical Bug Report | DevChallenge QA | 1.0 | List of critical issues |
| TripMyDream | TripMyDream | - | <https://tripmydream.com/> |

# 1. Introduction

1.1. Application Description

**TripMyDream.com** is an online service that allows users to plan their vacation – find and book hotels, fly tickets, search and compare tours.

1.2. Purpose

This document defines a test plan to test web-application <https://tripmydream.com/>.

It establishes a common understanding of the testing activities, identifies the items being tested, the overall approach of the testing activities, detailed testing tasks, defines the testing environment and describes the testing tools required for testing.

# 2. Test Items

Application – <https://tripmydream.com/>

2.1. Operating Systems

* MacOS High Sierra 10.13.4

2.2. Target Browsers

Latest version of the following browsers:

* Safari
* Chrome

2.1. Features to be tested

|  |  |
| --- | --- |
| Feature | Reference |
| Home Page | <https://tripmydream.com/> |
| Login/Logout | <https://tripmydream.com/> - login pop-up |
| Registration | <https://tripmydream.com/> - registration pop-up |
| Country and local settings | <https://tripmydream.com/> - local settings pop-up |
| FAQ | <https://tripmydream.com/faq> |
| Search flight tickets | <https://tripmydream.com/> - Search modal |

2.2. Features NOT to be tested

The following items cannot be tested due to lack of the precondition data, which is required for test execution:

|  |  |
| --- | --- |
| Feature | Reason |
| Payment System | Now allowed |
| Performance | Now allowed |
| 3rd party systems | Out of scope |
| Localization | Out of scope |
| Excursions page | <https://experience.tripster.ru> - use 3rd party service Tripster |
| Blog page | <https://tripmydream.com/blog> - low priority, lack of time |
| Guides page | <https://tripmydream.com/guides> - low priority, lack of time |
| Year Summary 2017 page | <https://tripmydream.com/year-summary-2017/nominations> - low priority, lack of time |

# 3. Approach

3.1. Test Process Overview

Testing will be performed by dedicated QA Engineer according to defined test plan. The testing phase will involve System and Integration Levels. Tests will be run manually according to checklist priority.

The philosophy of the testing is risk­based testing, i.e. each item in checklist will be

prioritized as, High, Medium, or Low priority and then scheduled accordingly (Highest first).

QA process will consist of the following activities:

* application analysis and exploratory testing;
* test planning;
* test design;
* test execution;
* defect tracking;
* test closing activities;
* creating and updating testing artifacts.

3.2. Testing methods

* manual testing.

3.3. Testing types

* **Exploratory testing** – type of testing to determine main business flows, discover and learn application under test.
* **Functional testing** – will be performed to ensure that the product meets general requirements and performs required functions. Both Positive and Negative tests will be performed:

*Positive* – to verify that the behavior is correct according to specification

*Negative* – to verify that the application can gracefully handle invalid input or unexpected user behavior.

* **GUI testing** – verify UI elements, usability and general user experience.
* **Acceptance testing** – to validate if the application meets end-user and business requirements.

# 4. Test Item Pass/Fail Criteria

If more than 10% of the tests for feature fail, the test feature is considered to have failed.

If more than 90% of tests for feature pass, the test feature is considered to have passed.

All tests with High priority must pass.

The feature is considered to be ready for LIVE, if there is no any Major or Critical bugs reported.

# 5. Test Deliverables

The list bellow describes test deliverables that will be used on the project:

|  |  |  |
| --- | --- | --- |
| **ID** | **Name** | **Description** |
| TP\_1 | Test Plan | Describes overall test process, approach, tools. |
| CL\_1 | Checklist | Include lists for tests, pass/fail results, automation coverage |
| CBR | Critical Bug Report | List of Critical issues |
| TR\_1 | Test Report | Describes summary of test activities |

# 6. Tools

|  |  |  |
| --- | --- | --- |
| **Tool** | **Purpose** | **Description** |
| JIRA | Bug tracking and reporting | Proprietary issue tracking product, developed by Atlassian. |
| Microsoft Office | Writing test documentation (test plan, test report, critical bug report) | Application for text document creation |
| Microsoft Excel | Creating and maintaining Checklist | Application for spreadsheet creation. |
| Google Chrome | Exploratory testing, general testing | Web browser |
| Safari | GUI testing | Web browser |

# 7. Test Schedule

**Start Date:** 23.05.2018 – 10:30 am

**End Date:** 23.06.2018 – 06:00 pm

# 8. Risks

* uncompleted requirements and lack of details;
* poor software quality;
* bad user experience.

# 9. Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Position/Title** | **Name** | **Signature** | **Date** |
| QA Lead | DevChallenge Judge | - | - |