Testing Strategy Identifier: TS-5501

Project: TripMyDream

Product version: v3.0

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**Testing Strategy**

**Scope and overview**: TripMyDream project was developed on Symfony framework. To improve project performance and stability Symfony version will be updated from version 3.3 to 4.0. Need to make acceptance testing for basic functionality to sure that all basic functions work correctly.

**Test Approach**: All testing will be done via manual testing.

**Test levels:** system integration and acceptance.

**Test types**: smoke, functional, compatibility testing (platform, browser), end-to end, acceptance.

**Roles and responsibilities**: System integration testing will be performed by test person. Acceptance testing will be performed by the actual end users with the assistance of the test manager and test person.

**Environment requirements:** Testing should be performed on testing server, which has setting identical to production. For acceptance testing should be used Microsoft 10 platform and Chrome browser with last version.

**Testing tools**: BrowserStach (compatibility testing), Lighshot Chrome extension (to make screenshot), BugMagnet Chrome extension (to fill fields), Jira (to store bugs descriptions), Google disk (to create test documentation).

**Industry standards to follow:** Company internal standards: UIA-125.03, UIA-126.03.

**Test deliverables:** Testing Strategy, Test Plan, Checklist, Test Report.

**Metrics:**

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| --- | --- |
| **Metric name** | **Value** |
| Test Case Preparation Productivity | 30 test cases/hour |
| Test Design Coverage | 60% |
| Test Execution Productivity | 25 test cases / hour |
| Test Execution Coverage | 90% |
| Test Cases Passed | 95% |
| Error Discovery Rate | 0 % |
| Defect Fix Rate | 100 % |

**Risk and mitigation**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Probability** | **Impact** | **Mitigation** |
| Testing can take more than 4 hours | medium | high | increase test persons from other teams |
| Not stable test environment | low | high | make request to Devops |
| Absence of responsible test person | low | high | delegate to test person from other team |
| License of test tool is expired | low | medium | ask Account Manager to buy license |

**Reporting tool**: Jira