**Performance Test Plan for**

**PROJECT A**

By <Owner>

**1. Introduction**

1.1. Purpose of the document

1.2. Objective

**2. Scope of project**

2.1. The components and functions to be tested 2.2. The components and functions not to be tested

1. **Quality criteria**
2. **The decisive factors of the project success**
3. **Limitations, assumptions and risks**  
   5.1. The risks of the project   
   5.2. Plan to reduce the risks   
   5.3. Assumptions

**6. Resources**

6.1. The team of external testing

6.2. Tools and services for testing

**7. Deliverables**

7.1. Testing Documentation and Reports

**8. Strategy of testing**  
8.1. Testing phases  
8.2. Acceptance criteria  
8.3. Completion criteria  
8.4. Reporting

**9. Approvals**

**1. Introduction**   
**1.1. Purpose of the document**    
This document describes a test plan for the project "A" and approaches, which the test team will use to verify the quality of the product. The document also lists the different resources that are needed for a successful performance testing of the project.  
   
**1.2. Objective**    
The purpose of the test plan is to formalize the testing process, plans and approaches to testing, interfacing process with the development team and the project team to achieve the high quality of the software product. The plan takes into account the specifics of the functionality of the project "A"

**2. Scope of project**

**2.1. Functions to be tested**

| ID | Components / Application Name | Function | URL |
| --- | --- | --- | --- |
| 1 | Front End | * Product Search * Purchase Actions | http://www.exampleqa.com |

**2.2. Functions not to be tested**

| ID | Components / Application Name | Function | Comments |
| --- | --- | --- | --- |
| 1 | Back End |  | Only UI work |
| 2 | Connected 3rd party service | Function | Service not developed |

**3. Quality criteria**

The delivered product must work in accordance with the requirements and the functional specification listed in sections “Scope of Work“. The delivered product must not contain any known defects with critical and high priority in the final version.

**4. The decisive factors of the project success**

* The application should not include known defects with critical and high priority at the time of the final version.
* The application correctly handles required amount of load, without any errors or performance issues.

**5. Limitations, assumptions and risks**   
● The late submission of information or delays in document approval by the Customer.   
● Changes in the requirements for performance testing during the testing process.  
   
● Ambiguous requirements can increase the risk of insufficient coverage of functionality by performance testing or risks when input test data or test scenario does not reflect actual product requirements or usage.  
   
● The narrow time frame increases the risk of bugs appearance during performance script development and testing. If the timing of development and environment preparation phases are not met, it will directly affect the timing of testing.  
   
● Unformed or not formed enough team from the Customer’s side, which is responsible for monitoring the infrastructure of the application during performance testing, may lead to incorrect performance testing results and application breakdown.

**5.1. The risks of the project**

| ID | Risk Description | High/Medium/Low |
| --- | --- | --- |
|  |  |  |

**5.2. Plan to reduce the risks**

| ID | Action to reduce the risk |
| --- | --- |
| 1 | Compliance with the rules of planning and organizing meetings.  Timely information about the unavailability of employees (including due to vacation, illness, etc.).  The schedule of meetings and the provision of necessary information in advance |
| 2 | Splitting testing into several iterations. Frequent testing results discussions |

**5.3. Assumptions**

All requirements for performance testing are not yet defined in detail. Estimates made on the basis of how the QATestLab sees the system at the time of the analysis requirements. Estimates may change (increase or decrease) depending on the appearance of new requirements for the system

**6. Resources**

**6.1. The team of external testing**

| Company | Name | Role | Contact Information |
| --- | --- | --- | --- |
|  |  |  |  |

**6.2.** **Tools and services for testing**

| # | Tool | Comment |
| --- | --- | --- |
|  |  |  |

**7. Deliverables**

**7.1. Testing Documentation and Reports**

| # | Title | Responsible person | Frequency | Delivery Method |
| --- | --- | --- | --- | --- |
| 1 | Test Plan | QA Lead | One time before testing | e-mail |

**8. Strategy of testing**

**8.1. Testing phases**

1. The testing team gets information about the application (access to the application, testing data) and check what can be tested in case of performance testing.

2. Collect initial statistics information from the application that can be used for performance test plan preparation and performance scenario development.

3. Prepare performance test scenario and confirm it with the Client. Make time estimates needed for testing script development and give the approximate time needed to perform these tests for the desired amount of virtual users.

**8.2. Acceptance criteria**1. Requirements for performance testing are received and confirmed.

2. Testing team has access to the application, has all required test data (test accounts, input data).

3. The system is fully configured and ready for performance testing. In the case of “development” or “testing” environment, it is configured in the same way as “product” environment.

* **8.3. Completion criteria**1. All test scenarios of the plan for performance testing were performed, performance
* testing is conducted.
* 2. Performance testing reports are prepared and sent to the Client.
* 3. The source code of performance scripts is sent to the Client.

**8.4. Reporting**

The tools described in Tools and services for testing section will be used to collect the results.

* **9. Approvals**

| Date | QA | Manager / QA Lead |
| --- | --- | --- |
|  |  |  |