TALS

Release 5.7

Master Test Plan

Version 1.0

**Draft**

November 2015

Submitted by

Team Giant

**1 TEST PLAN IDENTIFIER**

TALS 5.7(build 20151119.44a964b)

Note, the structure of this document is primarily based on the IEEE 829-1998 Standard for Software Test Documentation. Additional reference standards include IEEE 1008 (Unit Testing), 1012 & 1059 (Validation & Verification) and 1074 (Software Life Cycle process).

**2 REFERENCES**

Distribution of Teamwork.xlsx

<http://telerikacademy.com/Courses/Teamwork/List>

**3 INTRODUCTION**

Biser

**4 TEST ITEMS (FUNCTIONS)**

The following is a list of the modules and items to be tested:

1. Admin - Courses and Lectures
2. Front

- Navigation between different courses

-My Courses

-Archive

**5 SOFTWARE RISK ISSUES**

**Venci**

Identify what software is to be tested and what the critical areas are, such as: A. Delivery of a third party product.

B. New version of interfacing software

C. Ability to use and understand a new package/tool, etc. D. Extremely complex functions

E. Modifications to components with a past history of failure

F. Poorly documented modules or change requests

There are some inherent software risks such as complexity; these need to be identified. A. Safety

B. Multiple interfaces

C. Impacts on Client

Another key area of risk is a misunderstanding of the original requirements. This can occur at the management, user and developer levels. Be aware of vague or unclear requirements and requirements that cannot be tested.

The past history of defects (bugs) discovered during Unit testing will help identify potential areas within the software that are risky. If the unit testing discovered a large number of defects or a tendency towards defects in a particular area of the software, this is an indication of potential future problems. It is the nature of defects to cluster and clump together. If it was defect ridden earlier, it will most likely continue to be defect prone.

One good approach to define where the risks are is to have several brainstorming sessions.

!" Start with ideas, such as, what worries me about this project/application.

**6 FEATURES TO BE TESTED**

Testing will consist of several phase (see introduction), each phase may or may not include testing of anyone or more of the following aspects of the TALS Web site (listed alphabetically):

Accessibility

Accuracy

Availability

Coding standards

Compatibility

Content

Functional

Legal

Navigation

Performance

Reliability

Scalability

Security

Suitability

Usability

**7 FEATURES NOT TO BE TESTED**

It is the intent that all of the individual test cases contained in each test plan will be performed. However, if time does not permit, some of the low priority test cases may be dropped.

**8 APPROACH (STRATEGY)**

Plamen

**8.1 Testing Levels**

The testing for the TALS project will consist of Unit, System/Integration (combined) and Acceptance test levels.

UNIT Testing will be done by Team Giant

SYSTEM/INTEGRATION Testing will be performed by the test manager and development team leader with assistance from the individual developers as required. No specific test tools are available for this project. Programs will enter into System/Integration test after all critical defects have been corrected. A program may have up to two Major defects as long as they do not impede testing of the program (I.E. there is a work around for the error).

ACCEPTANCE Testing will be performed by the actual end users with the assistance of the test manager and development team leader. The acceptance test will be done in parallel with the existing manual ZIP/FAX process for a period of one month after completion of the System/Integration test process.

Programs will enter into Acceptance test after all critical and major defects have been corrected. A program may have one major defect as long as it does not impede testing of the program (I.E. there is a work around for the error). Prior to final completion of acceptance testing all open critical and major defects MUST be corrected and verified by the Customer test representative.

A limited number of distributors will participate in the initial acceptance test process. Once acceptance test is complete, distributors will be added as their ability to generate the required EDI data is verified and checked against their FAX/ZIP data. As such, some distributors will be in actual production and some in parallel testing at the same time. This will require careful

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coordination of the control tables for the production system to avoid posting test data into the system.

**9 ITEM PASS/FAIL CRITERIA**

The user requirements define pass/fail criteria

**10 SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS**

In general, testing will only stop if the Web site Under Test (WUT) becomes unavailable. If testing is suspended due to the Web site becoming unavailable, testing will be resumed once access to the Web site is reestablished.

Certain individual test cases may be suspended, skipped or reduced if prerequisite tests have previously failed e.g. usability testing may be skipped if a significant number of Web page navigational tests fail.

**11 TEST DELIVERABLES**

The following documents will be generated as a result of these testing activities:

* Master test plan (MTP - this document)
* Individual test plans for each phase of the testing cycle (as an Appendix to the MTP)
* Combination incident/test summary reports for each phase
* Test log for each phase
* Automated test scripts and supporting test data

With the exception of the automated test scripts, all documents will be delivered as Microsoft Office

2007 documents.

**12 REMAINING TEST TASKS**

|  |  |  |
| --- | --- | --- |
| TASK | Assigned To | Status |
| Create Acceptance Test Plan | TM, PM, Client |  |
| Create System/Integration Test Plan | TM, PM, Dev. |  |
| Define Unit Test rules and Procedures | TM, PM, Dev. |  |
| Define Turnover procedures for each level | TM, Dev |  |
| Verify prototypes of Screens | Dev, Client, TM |  |
| Verify prototypes of Reports | Dev, Client, TM |  |

**13 ENVIRONMENTAL NEEDS**

**Available Client-side Environments Available**

**According requirements**

Due to a limited budget and the pressing need complete the testing phase, Giant Team has decided not to purchase any additional client-side hardware, instead Giant Team will utilize its existing set of desktop and laptop machines, which currently consists of the following machine specifications:

!" **Everyone to put his laptop Manufacturer and Model + desktop if it is available GSm**

**Desktops**

**Laptops**

**Mobile**

**Available Server-side Environments**

Exact replica of the server- side production environment will be created and maintained by client.

**Available Server-side Environments**

**14 STAFFING AND TRAINING NEEDS**

Continuously training Team Giant at each level of testing.

**15 RESPONSIBILITIES**

Biser Hristov

Blagoy Shokov

Vencislav Ivanov

Dushka Dragoeva

Plamen Kostadinov

**16 SCHEDULE**

The user requirements define schedule

**17 PLANNING RISKS AND CONTINGENCIES**

The following seeks to identify some of the more likely project risks and propose possible contingencies:

* Web site becomes unavailable – Testing will be delayed until this situation is rectified
* Web testing software is not available/does not work (e.g. Web site uses cookies and tool can not handle cookies) - This will delay the introduction of automated testing and result in more manual testing
* A large number of defects/incidents makes it functionally impossible to run all of the test cases – As many test cases as possible will be executed, The PM will ultimately make the decision as to whether the number of defects/incidents warrants delaying the implementation of the production version.
* Not enough time to complete all test cases. If time cannot be extended, individual test cases will be skipped, starting with the lowest priority.

**18 APPROVALS**

Telerik QA trainers must approve this plan

**19 GLOSSARY**

TALS – Telerik Academy Learning System