Test Plan

for

SoftUni Blog

Version 1.0 approved

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Tangerine team

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Table of Contents

Table of Contents ii

Revision History ii

1. Introduction 1

1.1 Purpose 1

1.2 Intended Audience and Reading Suggestions 1

1.3 Product Scope 1

1.4 References 1

2. Overall Description 1

2.1 Product Perspective 1

2.2 Product Functions 1

2.3 Operating Environment 2

2.4 Design and Implementation Constraints 2

2.5 User Documentation 2

3. External Interface Requirements 2

3.1 User Interfaces 2

3.2 Hardware Interfaces 2

3.3 Software Interfaces 2

4. System Features 3

4.1 Registering new users 3

*4.2* *Logging existing users* 4

4.3 Profile management; 4

4.4 Reviewing articles; 4

4.5 Creating articles; 4

4.6 Editing Articles; 4

4.7 Deleting Articles. 4

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| HH HHH | 20.04.2017 | Version updated | 1.1 |
|  |  |  |  |

# Introduction

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

# Objectives

SoftUni Blog is a web-based site used to create and store different articlescreated by registered users. This site is a new product written with C# using a ‘mysql’ database. The test team is responsible for testing the product and ensuring it meets their needs. The test team is both the customer and the tester in this project.

Phase 1 of the project will deliver Blog with functionality to create and store articles. This will allow the test team to start transferring tests over to the new system. Must have functionality is considered more important than the delivery date in this project.

# Team Members

|  |  |
| --- | --- |
| **Resource Name** | **Role** |
| Adelina Yanakieva | Team Leader |
| Anita Nikolova | QA engineer |
| Boriana Avramova | QA engineer |
| Cvetana Gigova | QA |
| Hristina Mineva | Product manager |
| Viara Vasileva | QA engineer |

# Scope

The initial phase will include all ‘must have’ requirements. These and any other requirements that get included must all be tested. At the end of Phase 1, a tester must be able to:

* Register new user;
* Log in existing user;
* Change password;
* Review articles;
* Create articles;
* Edit articles;
* Delete articles.

As the team works with the product they will define the needs for the second phase.

# Assumptions / Risks

## Assumptions

This section lists assumptions that are made specific to this project.

Delivery of the product is in format that the test team can use xls files for test automation.

## Risks

The following risks have been identified and the appropriate action identified to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk was triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Risk | Impact | Trigger | Mitigation Plan |
| 1 | Scope Creep – as testers become more familiar with the tool, they will want more functionality | High | Delays in implementation date | Each iteration, functionality will be closely monitored. Priorities will be set and discussed by stakeholders. Since the driver is functionality and not time, it may be necessary to push the date out. |
| 2 | Changes to the functionality may negate the tests already written and we may loose test cases already written | High – to schedule and quality | Loss of all test cases | Export data prior to any upgrade, massage as necessary and re-import after upgrade. |
| 3 | Weekly delivery is not possible because the developer works off site | Medium | Product did not get delivered on schedule |  |
| 4 |  |  |  |  |

# Test Approach

The project is using an agile approach, with weekly iterations. At the end of each week the requirements identified for that iteration will be delivered to the team and will be tested.

Exploratory testing will play a large part of the testing as the team has never used this type of tool and will be learning as they go. Tests for planned functionality will be created and added to TCT as we get iterations of the product.

## Test Automation

Automated unit tests are part of the development process, but no automated functional tests are planned at this time.

# Test Environment

A new server is required for the web server, the application and the database.

# Milestones / Deliverables

## Test Schedule

The initial test schedule follows……….

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task Name** | **Start** | **Finish** | **Effort** | **Comments** |
| Test Planning |  |  |  |  |
| Review Requirements documents |  |  | 2 d |  |
| Create initial test estimates |  |  | 1 d |  |
| Staff and train new test resources |  |  |  |  |
| First deploy to QA test environment |  |  |  |  |
| Functional testing – Iteration 1 |  |  |  |  |
| Iteration 2 deploy to QA test environment |  |  |  |  |
| Functional testing – Iteration 2 |  |  |  |  |
| System testing |  |  |  |  |
| Regression testing |  |  |  |  |
| UAT |  |  |  |  |
| Resolution of final defects and final build testing |  |  |  |  |
| Deploy to Staging environment |  |  |  |  |
| Performance testing |  |  |  |  |
| Release to Production |  |  |  |  |

## Deliverables

|  |  |  |
| --- | --- | --- |
| **Deliverable** | **For** | **Date / Milestone** |
| Test Plan | Project Manager; QA Director; Test Team |  |
| Traceability Matrix | Project Manager; QA Director |  |
| Test Results | Project Manager |  |
| Test Status report | QA Manager, QA Director |  |
|  |  |  |
| Metrics | All team members |  |
|  |  |  |

# Test Cases

This paragraph illustrates organizing the functional test cases for the product by system features, the major services provided by the product.

## Registering new users

Positive test

Negative tests:

* No data is filled in
* No Name is filled in
* Incorrect mail is filled in
* No password is filled in
* Confirm password defers from Password

## *Logging existing users*

## Profile management;

## Reviewing articles;

## Creating articles;

## Editing Articles;

## Deleting Articles.