Test Plan

for

SoftUni Blog

Persimmon QA Team

Prepared by Nury Igusty

version 1.0

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason for Changes** | **Version** |
| Nury Igusty | 01.05.2017 | Version updated | 1.0 |
| Nury Igusty | 01.06.2017 | Version updated | 1.1 |

# Objectives

## Purpose

This document describes the plan for testing the SoftUni Blog System and to help QA team to follow the testing process. This Test Plan document supports the following objectives:

* Identify existing project information and the software that should be tested;
* List the recommended test requirements;
* Recommend and describe the testing strategies to be employed;

## Scope

The SoftUni Blog is a web-based system, on which can create, edit, delete and store articles created by registered users. The system was written in C#, using MVS and database. The test team is responsible for testing the product and ensuring it meets their needs. The team is both the customer and the tester in this project. The process of testing is divided in phases:

* registering new users
* login existing users
* create articles
* edit articles
* delete articles
* view dashboard

The final product of the test is a production-ready software.

# Team Members

|  |  |
| --- | --- |
| **Resource Name** | **Role** |
| **Petya Nikolova** | Team Leader |
| Nury Igusty | QA engineer |
| Daniela Stefanova | QA engineer |
| Georgi | QA engineer |

# Requirements for Test

The objective of the test is to verify that the functionality of the SoftUni Blog System works according to the specifications.

## Data and Database Integrity Testing

Verify correct retrieval of update of database data.

# Test Assumptions

* Production like data required and be available in the system prior to start of UI automation testing
* If the defect rate is high then will not start next phase
* During UI automation testing, testing team will use preloaded data which is available on the system at the time of execution
* Testing activities will build upon previous stages to avoid redundancy or duplication of effort.
* There will be entrance and exit criteria.
* Testing processes will be well defined, yet flexible, with the ability to change as needed.

# Scope and Levels of Testing

## Manual Testing

**Purpose**: the purpose of this test is to make sure critical defects are removed before the next levels of testing can start.

**Scope**: 1 phase - registration module, 2 phase - login module, 3 phase - articles module, 4 phase dashboard module;

**Testers**: Testing team.

**Method**: This manual testing is carried out in the application and make to prepare documentation and automation.

**Timing**: at the beginning of each cycle.

## Automation Testing

**Purpose**: Automation testing will be performed to check the all functionality of application. The automated testing is carried out by feeding the input and validate the output from the application.

**Scope:** The below doc details manual test cases which will be automated in 5 phase.

[TestCases-Blog-Skeleton\_v.1.3.doc](file:///C:\Users\Nury.EXPERTVISION\Desktop\New%20folder\TestCases-Blog-Skeleton_v.1.3.doc)

**Testers**: Testing team.

**Method**: The test will be performed according to UI Tests, which are stored in VS BlogBuild project

**Timing**: After manual tests is completed and Manual TC’s are prepared.

## Test Acceptance Criteria

1. Approved SRS, Test Plan and TC’s documents must be available prior to start of automation testing phase.
2. Test cases approved and signed-off prior to start of test execution.
3. Development completed, unit tested with pass status and results shared to Testing team to avoid duplicate defects;
4. Test environment with application installed, configured and ready to use state

# Test Environment

A Windows 10 environment with Firefox 53.0, as well as Google Chrome 58.0 and later should be available to each tester. For running tests VS 2015 and later version and TeamCity Continuous Integration (CI) Server for .NET Software Development.

# Test Deliverables

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Deliverable Name** | **Author** | **Reviewer** |
| 1. | Test Plan | Test Lead | Test Lead/ Test Team |
| 2. | Functional Test Cases | Test Team | Test Lead/ Test Team |
| 3. | Logging Defects | Test Team | Test Lead/ Test Team |
| 4. | Daily/weekly status report | Test Team/ Test Lead | Test Lead/ Test Team |
| 5. | Test Closure report | Test Lead | Test Lead/ Test Team |

# Milestone List

The milestone list is tentative and may change due to below reasons

1. Any issues in the System environment readiness
2. Any change in scope/addition in scope
3. Any other dependency that impacts efforts and timelines

|  |  |  |  |
| --- | --- | --- | --- |
| **Functional** | **Start Date** | **End Date** | **Available time** |
| **Test Execution** | **Friday, May 10, 2017** | **Thursday, June 9, 2017** | (28 working days) |
| SRS, Test Plan, Test Cases | Wednesday, May 10, 2017 | Wednesday, May 30, 2017 |
| 1 phase - registration modules | Wednesday, May 16, 2017 | Friday, May 16, 2017 |
| 2 phase - login modules | Monday, May 17, 2017 | Wednesday, May 19, 2017 |
| Retest all functionality | Saturday, May 20, 2017 | Monday, May 22, 2017 |
| 3 phase - articles modules | Thursday, May 25, 2017 | Saturday, May 27, 2017 |
| Retest all functionality | Sunday, June 25, 2017 | Tuesday, May 30, 2017 |
| 4 phase - dashboard module; | Tuesday, May 30, 2017 | Tuesday, May 30, 2017 |
| Retest all functionality | Tuesday, May 30, 2017 | Friday, June 2, 2017 |
| 5 phase - Integration with TeamCity | Saturday, June 3, 2017 | Friday, June 3, 2017 |
| Retest all functionality | Saturday, June 3, 2017 | Friday, June 9, 2017 |

# Test Cases

## Registering new users

Positive test:

Negative tests:

1. **Registration with negative data**
2. **Registration with empty fields**
3. **Registration with invalid email**
4. **Registration without password**
5. **Registration without confirm password**
6. **Registration with negative data**

## Logging existing users

Positive test:

1. [Successful login](#SuccessfulLogin)

Negative tests:

1. [**Login without email**](#LoginWithoutEmail)
2. [**Login without password**](#LoginWithoutPassword)
3. [**Login without email and password**](#LoginWithoutEmailAndPassword)
4. [**Login with invalid password**](#LoginWithInvalidPassword)
5. [**Login with invalid email**](#LoginWithInvalidEmail)

## Creating articles

Positive test:

1. [[Create article - positive test](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#CreatearticlePositivetest)](#SuccessfulLogin)

Negative tests:

1. [Create article without title](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Createarticlewithouttitle)
2. [Create article without content](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Createarticlewithoutcontent)
3. [Create article without long title](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Createarticlewithoutlongtitle)
4. [Create article without submitting it](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Createarticlewithoutsubmittingit)

## Editing Articles

Positive test:

1. [Edit own article](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Editownarticle)

Negative tests:

1. [Edit article without login](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Editarticlewithoutlogin)

## Deleting Articles

Positive test:

1. [Delete own article](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Deleteownarticle)

Negative tests:

1. [Delete article without login](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Deletearticlewithoutlogin)

## Dashboard

Positive test:

1. Find article in dashboard

Negative tests:

1. [Article’s details in Dashboard](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#VerifyinformationaboutanArticleinD)
2. [Availability of scroll bars](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Verifytheappearanceofscrollbarsin)
3. [Article’s Details on Article View page](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#VerifydesignofArticleViewpage)
4. [Menu buttons on Articles Dashboard](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#Verifytheavailabilityandfunctionality)
5. [Update of edited Article’s details on Dashboard](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#EditButton)
6. [Remove of deleted Article from Dashboard](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#DeleteButton)
7. [Back button on Article View page](file:///C:\Users\Nury.EXPERTVISION\AppData\Roaming\Skype\My%20Skype%20Received%20Files\TestCases-Blog-Skeleton(1).doc#BackButton)

# Approvals

The Names and Titles of all persons who must approve this plan.

|  |  |
| --- | --- |
| **Signature:** |  |
| **Name:** |  |
| **Role:** |  |
| **Date:** |  |