BBLOG - SOCIAL BLOGGING SITE
Test Plan

Version 1.0

By

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Revision History

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   9.2 Date: 01/07/2021 8
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Test Plan

1. Introduction

1.1 Purpose

The purpose of this document is to provide basic test plan and test strategy plan to clearly plan and test CRUD features involved in the BBlog- web application project. The test plan is a vision of what the testing team wants to achieve while test strategy is an action plan designed to achieve this vision. Agile teams can capture and document all high level activities to complete test execution on time without any issues.

The purpose of the Test Plan is to gather all of the information necessary to plan and control the test effort for a given iteration. It describes the approach to testing the software.

1.2 Scope

The Scope of this Test Plan is to automate the CRUD functionalities with the help of open-source automation tools/tool to test aspects of BBlog- web application.

Automation Testing: Involves creation and running automated tests to ensure that the user interface performs CRUD functionalities of web application as intended.

1.3 Intended Audience

The BBlog-Web Application Test Plan is targeted and has been elaborated for the following groups of people:

- Software Developers
- Product Owners
- Future Developers maintaining the system
- QA Test Teams

2. Evaluation Mission and Test Motivation

2.1 Background

The rationale behind this document is to deliver a quality product that will satisfy the client's needs. The mission of this document is to ensure coordination among tester, test manager and developers in order to deliver quality software that is also highly maintainable because potential improvements or change in requirements could be requested after the first release of the Successful BBlog – Web application.

2.2 Evaluation Mission

- Functionality which is high risk and high value and repetitive must be prioritized for testing over lesser valued functionality.
- Whenever possible, tests are automated in order to minimize human resources spent on testing.

2.3 Test Motivators

Testing is a process of constructing an explanation of the status of the product and justifying it by validating the testing coverage of the BBlog – Web application. This document brings standardization and minimizes the ad-hoc approach in testing BBlog – Web application. Outline of Planned Items to Tests
This section provides a high-level outline of the testing that will be performed and those that will not be performed.

2.4 Outline of Test Features Inclusions

The following high level feature groups will be tested during the course of this iteration:

2.4.1 BBlog – Web application Landing Page.

2.4.2 BBlog – Web application Sign-up Page.

2.4.3 BBlog – Web application Sign-In Page.

2.4.4 BBlog – Web application Home Page.

2.4.5 BBlog – Web application Create- New-Article Page.

2.4.6 BBlog – Web application Settings-Profile Page.

2.4.7 BBlog – Web application Username-Profile Page.

2.4.8 BBlog – Web application Read-Article.

2.4.9 BBlog – Web application Edit-Article.

2.4.10 BBlog – *Web application Delete-Article.*

2.4.11 BBlog – Web application Comment-Article.

2.4.12 BBlog – *Web application Favorite-Article.*

2.4.13 BBlog – Web application Follow-Users.

2.4.14 BBlog – Web application GET and display paginated lists of articles.

2.5 Outline of Test Exclusions

- No stress testing will be done on the administrator's panel as there will only be one administrator account, therefore it will experience minimal traffic.

3. Test Approach

Test planning document is a combination of strategy plugged with overall project plan. According to IEEE Standard 829-2008, strategy plan is a sub item of test plan. A strategy is a plan for defining testing approach, what you want to accomplish and how you are going to achieve it. It's the reflection of whole QA activities in software testing life cycle. Refer this document time to time in test execution process and follow plan until the software release.

3.1 User Interface Testing

Definition:
UI testing is the verification that the user interface performs as intended.
Participants:
The participants in user interface testing are the QA Testers.
Methodology:
Using **Selenium**, a UI testing **open-source framework from Apache License 2.0**, automated scenarios are executed which drive a web browser to interact with the application. This allows for the automated verification of the proper functionality provided by the user interface.

4. Test Cases

4.1 Test cases- Document Details

Document_Name	Document_Version	Document_ Location
BBLOG_Test cases	Version-1.0	Project-directory

In this document, the majority of the testcases for BBlog-web application is covered and documented. For better brief coverage of test cases and in detailed compact test plan document. Test case document is separately created to project root.

5. Test Deliverables

5.1 Test Deliverable-1: Selected Test cases for Automation using Open-source tool.

5.2 Test Deliverable-2: TBD

5.3 Test Deliverable-3: TBD

6. Test Environment

6.1 Hardware: Test Server PC, Test Server Network,

6.2 Software: Windows 10, Chrome Browser, NUnit and Selenium Framework.

6.3 Tools: Visual Studio IDE.

7. Responsibilities

7.1 Test Lead – Approval Coordination

7.2 Senior QA Specialist- contribute testing, Review test cases

7.3 Junior QA Specialist- contribute testing, Review test cases

8. Schedule

8.1 Test Schedule List.

Test Actions	Duration	Days
BBLOG_Test plan doc	July1-July1-1Hr	1day
BBLOG_Test case doc	July2-July2-1Hr	1day
BBLOG_Test Environment setup	July3-July3-1Hr	1day
BBLOG_Create Test Automation	July4-July4-1Hr	1day
BBLOG_Test Execution	July5-July5-1Hr	1day
BBLOG_Test Reporting	July6-July6-1Hr	1day

9. Approvals:

9.1 Created By: Maninder Singh

9.2 Date: 01/07/2021

9.3 Signed and approved By: BackBase QA Manager