TEST PLAN FOR

COMMENTS APPLICATION

VERSION 1.0

2022

General information	
Customer	Comments
Created by (Author)	Vitalii
Preparation data	06.10.2022
Version	1.0
Status	Creating of test planning

Revision history					
Version	Description	Author	Date	Approved by	
				Author	Date
1.0	Creation	Vitalii	06.10.2022		
2.0	Edition	Vitalii	26.10.2022		

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1. Introduction

1.1. General information

This document will describe the methods and procedures in the testing process on this web application.

Test plan intended for project manager, project developers and QA engineers.

Software application shows different comments and allows users to sort of these comments in any arrange by “Number”, “Comment text” and “Active” columns. User can also delete, edit, duplicate comments and filter by category. The application included check-box where user can activate or inactivate it for comments.

1.2. Purpose

The purpose of the given Test Plan is testing web application (http://commentssprintone.azurewebsites.net) that has comments and actions with it. The document helps to gain better understanding about testing project.

Test plan will help identify existing project information and software components to be tested. You will be given recommendations and description of testing strategies. We can also identify required resources for our project.

The results of test execution will be sent to the customer as reports. All found bugs will be tracked using the JIRA.

1.3. Scope of project

With the help of testing we can thoroughly verify of all the features of application in different browsers. Some time (approximately 10%) will be spending for negative scenarios which also can help us to uncover several bugs.

The final results of the testing process will be following documents:

- The report about testing results;
- Documented in the client's bug tracking system (JIRA) bugs.

The testing will be manual and will be include next steps:

- Creating New Comments, Duplicate, Delete and Edit Comments;
- Sorting columns in comments applications;
- Activation/Inactivation comments;
- Transfer categories of comments;
- Verifying all check-boxes;
- Checking all input fields.

2. Requirements for application and work plan

This project will allow us to create, duplicate, delete and edit comments with possibilities of changing of categories and activate/inactivate them. All of check-boxes and input fields must execute given requirements without bugs.

We need follow next work plan:

1. Text plan preparation
2. Test plan approval
3. Functional testing and bugs reporting
4. Daily reports preparation
5. Final report preparation

3. Test plan and strategy

3.1. Functional and non-functional testing

As a result of the first testing cycle where the functional testing take place there will be some corrections and additions made and put into Test Plan. The first cycle will give the definite understanding about the system stability and will help to define the necessary test suite which will be executed shortly.

All the bugs found will be added to the bug tracker for further corrections and fixes.

Functional testing involves checking different aspects of the system. A software product must pass all the planned test.

There are several stages of testing are planning:

- Analysis. Test plan creation and partial fulfilment of some functional tests;
- Detailed fulfilment of tests uncovering and describing the bugs, using next types of testing in this project:
    - UI testing;
    - Usability testing;
    - Smoke testing;
    - Regression testing;
    - Compatibility testing (on different browsers and devices);
    - Retesting in new version (if such case needs to be done).

Regression testing after fixing found bugs will be held. Such kind of testing allows fulfilling testing, preventing and fixing bugs on the early stage.

3.2. Bug reports

There will be created bug reports in order define bugs to provide development team and project manager with necessary information about uncovered defects. They must be helpful in determining cause of errors and fix them.

Severity of defects will be divided on four categories:

1. Critical (blocker) defects are failure of the complete software system or critical subsystem.
2. Major defects that affect for many functionalities and data. It is possible that part of software does not work correct. It also applies to the system crashing, or aborting, during normal operation of a non-critical flow.
3. Minor defects that minimally affect for the functionalities and data. Minor defects do not result in failure but cause the system to show incorrect, incomplete, or inconsistent results.
4. Trivial defects like any cosmetic defects such as misplaced images, spelling mistakes or alignment issues or font casing

In each bug report will be special information about testing version of software, name of product and the type of browser where test was performed.

Each report provides the next information about defect:

- Summary (short information about defect);
- Location of the defect in the software product;
- Steps to reproduce this error;
- Frequency of the defect occurrence;
- Severity and priority of the defect;
- Additional information about defect in the form of attached screenshots or video record.

4. Resources

Following tools will be used for this project:

Name of process	Tools
Defect tracking	JIRA
Test cases	JIRA
Screenshots/Video capture	Snagit

List of browsers that will be used for testing:

Browser	Version
Chrome	Latest
FireFox	Latest
Edge	Latest
Safari	Latest

List of devices

Device	OS
Laptop Lenovo	Windows
Cell phone	Android

5. Criteria of quality

Product must operate in accordance with requirements and the functional specification. Software should not contain critical and blocking defects in the final version of the project.

6. Testing process risks

The next issues may influence testing works:

- changes and modifications of the software product that were not planned and discussed with the test team beforehand;
- changes in the software requirements that were not discussed with the test team beforehand;
- delays in correcting/fixing errors;
- delays in delivering new builds to the test team

7. Test team expectations

The test team must be provided with valid, updated documents during the whole testing process.

All required equipment, instruments, devices and software must be acquired and prepared before the beginning of the testing process. All show-stopping errors must be corrected as soon as possible.

Release notes should be added to each software release to the test team. The note must explain which elements, functions and features were added to the program and how these additions affect the software.

The developers should correct all the errors in the software modules before releasing a new version.

8. Scheduled work

Task	Volume of work	Starting date	Expiring date
Test plan creation	12 hour	06.10.2022	07.10.2022
Test execution	5 days	08.10.2022	15.10.2022
Summary	1 day	16.10.2022	17.10.2022

9. Final results

The final result is a documented conclusion of testing process with the bug descriptions and also with some recommendations and suggestions for further improvement of the given product from the user's point of view.