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| Test Plan 1.0.0 |
| **Photo Book Editor App** |

# Introduction

This document describes the approach and methodologies used by the testing team to plan, organize and perform the testing applications of the Photo Book Editor application.

# Scope of Work

## Components and Functions To be Tested

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| **Summary** |
| Image loading flow |
| Photo book creation |
| Image loading flow using add more photos |
| Photo book title creation flow |
| Delete photo from photo book flow |
| Feedback modals flow |
| Photo book user creation flow |

# Quality and Acceptance Criteria

* The product should work according to the requirements and functional specification listed at sections [Scope of work](#_heading=h.tyjcwt);
* The product bug level should reach the acceptance criteria defined in Contract/Requirements, or if other is not specified, the product should not have bugs with priority Blocker and Critical to be released for production.

# Critical Success Factors

* Meet a schedule and complete development and testing of all functionalities in term.
* Application shouldn’t have known bugs with priority Blocker and Critical at the time of Final Release.
* Functional requirements do not have last minute changes.

# Resources

## Test Team

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Project Role | Name | Location | Responsibilities |
| 1 | Software test automation engineer | Vadym Nastoiashchyi | Vinnytsia, Ukraine | Test Plan creation and updating. Test Cases review, updating and execution; Bug reporting; Test results reporting;  Test Cases automation |

## Test Automation Tools

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| --- | --- | --- |
| # | Tools | Comment |
| 1 | Playwright | Test automation tools |
| 2 | NodeJS | Environment |
| 3 | TypeScript | TypeScript is JavaScript with syntax for types |
| 4 | Playwright-report | Default Playwright reporter |

# Test Documentation and Deliverables

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Title | Responsible person(s) | Frequency (delivery time) | Method of delivery |
| 1 | Test Plan | Vadym Nastoiashchyi | Once before the testing start  Update upon required changes (i.e., scope changes, requirements changes, sprint planning, etc.) | Document in Confluence or this file |
| 2 | Test Cases | Vadym Nastoiashchyi | By the middle of each sprint | Test cases in JIRA Zephyr or other tools |
| 3 | Bug reports | Vadym Nastoiashchyi | Upon finding a bug | Submitting to JIRA or other tools |
| 4 | Test Result Reports | Vadym Nastoiashchyi | Analyzed test result report: After each test reports generates from Playwright-report |  |

# Test Strategy

Photo book editor applications will be tested using a “black box” approach, which is based on the requirements and functional specification without knowledge of the internal structure or program source code.

## Test Methods

Testing is the process of attempting to find discrepancies between the program and its functional specification/requirements. The goal is to make sure that all functions of the Photo book editor applications work correctly.

* Automating testing – is considered as the main method of the application testing.

### Smoke Test

*Smoke Test* is performed to quickly assess the readiness of the product for further more deep and thorough testing. It includes testing Photo book editorapplications major functions on the one most often used and consequently most important server/ client configuration.

### Critical Path Test

*Critical Path Test* will be performed after Smoke Test is passed. The goal of the Critical Path Test is to find bugs that could affect the major functionality of the application that is most important for the product users.

## Bug and Documentation Tracking

Tools described in the section [Test Tools](#_heading=h.1ksv4uv) will be used for bug reporting and documentation tracking. The bug metrics and statistics will be included in the test results reports.

### Bug Severity Definitions

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| Severity | Definition |
| Blocker | Blocks development and/or testing work, production could not run. |
| Critical | Crashes, loss of data, severe memory leak. |
| Major | Major loss of function. |
| Minor | Minor loss of function, or other problem where easy workaround is present. |
| Trivial | Cosmetic problem like misspelt words or misaligned text |

# Testing Schedule

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| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Activity** | **Begin Date** | **End Date** | **Assignment** | **Location** | **Comments** |
| 1 | Test plan creation | 05-Jan-2023 |  | Vadym Nastoiashchyi | Vinnytsia, Ukraine | Update regularly upon scope changes, etc. |
| 2 | Test cases creation | 3rd day of each sprint | 9th day of each sprint. | Vadym Nastoiashchyi | Vinnytsia, Ukraine |  |
| 4 | Smoke Test execution | Upon delivery | | Automation tool |  |  |
| 6 | Regression Test | Nightly run | | Automation tool |  |  |