

Test Plan template

Test Plan

General information

This document describes the methods and procedures that will be used by the Volpis QA team in the functional testing process of the admin panel and mobile applications.

It is meant to be used as a manual during testing works. It describes the procedure of the testing process. The test plan is intended for project managers, product developers, and QA engineer/s.

The objective of the testing activities is to check the functions and features of a software product developed for iOS and Android devices.

1. Purpose

This Test Plan document for the "Project Name" project supports the following objectives:

- Identify existing project information and software components to be tested.
- Recommendation and description of the testing strategies to be employed.
- Identify required resources and provide a test effort estimate.
- List the test project deliverable elements.

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

2. Useful links

Name	Link
Documentation	
Design	
Jira	
Bitbucket	
Test suite URL	
Jira issues all (filter)	

Test suite URL will be added after the "Static testing" stage

3. Team Roles and Responsibilities

Name	Role
	PM

	Android Dev
	iOS Dev
	QA
	Designer

4. Testing Tools

Tool	Comment
Postman	
Charles	
Xcode	
Android Studio	

5. Environments

Environment name	URL
Prod	
Dev	
Release	

6. Device matrix

Device	OS version

7. Testing flow

Static testing (Design, Documentation) -> "Feature 1" testing -> "Feature 2" testing -> Integration testing -> Ad-hock testing -> Regression testing -> Release testing (acceptance testing)

8. Risks

Cause	Description	Required action	Impact
Build is not provided within deadline	The build isn't delivered to QA team in time	Deliver the build to the QA team	The time the build wasn't provided will move the deadline accordingly (If build is delayed for 1 day - the build sign off is delayed for 1 day)

Backend environment isn't working	The QA team is unable to run tests due to the non-working environment	Run the working environment	The time the build wasn't provided will move the deadline accordingly (If build is delayed for 1 day - the build sign off is delayed for 1 day)
Changes in the documentation and/or design	Estimated task's time isn't valid anymore	Re-estimate the task	The deadline is moved according to the change estimation
Team member absense	Sick leave, vacation		The deadline is moved according to the team member's absense
Underestimation of the time necessary to complete the project	The tasks were estimated incorrectly and the team isn't able to deliver a product to meet the approved deadline	Re-estimate tasks	The deadline is moved according to the change estimation
The number of bugs significantly exceeds the expected number	The time for bug fix is expanded		The deadline is moved according to the time needed to fix the critical issues
The size of the system significantly exceeds the originally calculated			
Tight time limits that influence the testing flow			The testing will be made incomplete but with maximum effectivity according to the provided time
The required platform/device isn't accessible for testing			
The new OS version is released during the developing process			

Static testing

Roles and Responsibilities

Name	Role
	PM
	BA
	UX/UI
	QA

Useful links

Name	Link
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Documentation	
Design	
Jira task url	

Entry criteria:

- ☐ Documentation is ready
- ☐ Design is ready

Exit criteria:

- ☐ All questions from QA side regarding design and documentation are resolved
- ☐ QA Team is able to start test case preparation
- ☐ Design task is closed

“Feature name” application functional test

Entry criteria:

- ☐ Static testing is completed
- ☐ The “Feature name” functionality test cases are ready
- ☐ Dev “Feature name” task is in the “Ready to test” status
- ☐ Application build with new tag version (eg. x.x.2 > x.x.1) is ready to be used in testing activities
- ☐ Exhaustive description is provided
- ☐ The backend environment is ready for testing “Feature name”

Exit criteria:

- ☐ “Feature name” test cases are passed
- ☐ All found bugs are reported to the bug tracking system
- ☐ QA have provided report to the stakeholders with all testing results (referred to the topic 8)

Environments

Environment name	URL	Version
Dev		
Prod		

Useful links

Name	Link
Design	

Jira url	
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Integration functional test

Entry criteria:

- ☐ All feature's tasks are closed

Exit criteria:

- ☐ All issues with severity "Highest" are verified and closed
- ☐ QA have provided report to the stakeholders with all testing results (referred to the topic 8)

"Ad-hoc" functional test

Entry criteria:

- ☐ Integration tests are completed

Exit criteria:

- ☐ All issues with severity "Highest" are closed
- ☐ QA have provided report to the stakeholders with all testing results (referred to the topic 8)

Regression test

Entry criteria:

- ☐ Functional testing of all functionalities is completed
- ☐ Dev task is in the "Ready to test" status
- ☐ New build version is uploaded

Exit criteria:

- ☐ Regression test cases are passed
- ☐ All issues with severity "Highest" are verified and closed
- ☐ QA have provided report to the stakeholders with all testing results (referred to the topic 8)

Release test

Release testing means testing a refined version of the app on the release environment. The main purpose of release testing is to find and eliminate errors and bugs from a software release so that it can be released to users

Entry criteria:

- ☐ Regression testing is completed
- ☐ All Dev tasks are verified and closed
- ☐ Application version is connected to the release environment
- ☐ Application build with new tag version (eg. x.x.2 > x.x.1) is ready to be used in testing activities

Exit criteria:

- ☐ Approval from management to stop UAT
- ☐ Business requirements got fulfilled
- ☐ All issues with severity "Highest" are verified and closed
- ☐ QA have provided report to the stakeholders with all testing results (referred to the topic 8)

QA team should test the backward compatibility

Testing activities

Name	iOS	Android
Test Runs URL		
Jira issues all (filter)		
Known issues	N/A	URL