Best Test Management Tools for QA Teams to Track the Quality Assurance Activities:

TestRail

инструмент позволяет получить представление о ходе тестирования в реальном времени. Вы можете строить конфигурированные отчеты по необходимым вам метрикам;

Zephyr

это плагин для JIRA, который интегрирует тестирование в проектный цикл, позволяя вам отслеживать качество программного обеспечения. В новых версиях была поддержана работа с автоматизированными тестами;

Kualitee

предлагает функции управления проектами, управления тестированием, управления дефектами с интеграцией с баг-трекерами;

Qace

это облачная TMS, которая поможет вашей команде повысить производительность и организовать удобный флоу тестирования программного обеспечения. Поддержана функциональность объединения постоянно повторяющихся действий в общий шаг, импорт данных из других TMS;

SpiraTest

легко справляется со всем вашим тестированием (ручным, автоматическим, исследовательским) и позволяет легко импортировать данные из многих современных или устаревших приложений.

TEST PLAN
FOR "Ukrzaliznytsia"

Version	Change Date	By	Description
version number	Date of Change	Name of person who made changes	Description of the changes made
1	24.08.2022	Kateryna Yeris	Test plan creation

Table of Contents

1.Introduction

The purpose of the test plan for testing the site is preparation for a thorough check of all functions in different browsers, their versions with typical and negative scenarios of their use.

Objectives

The site "https://www.uz.gov.ua" was created in 2012 to provide the information about The State Administration of Railway Transport of Ukraine "Ukrzaliznytsia", which was established in December 1991.The test team is responsible for testing the product and ensuring it meets their needs.

Team members

• Project team members perform tasks specified in this document, and provide input and recommendations on this document.

• Project Manager Plans for the testing activities in the overall project schedule, reviews the document, tracks the performance of the test according to the task herein specified, approves the document and is accountable for the results.

• The stakeholders' representatives and participants (individuals as identified by the PMO Leads) may take part in the UAT test to ensure the business is aligned with the results of the test.

• Technical Team ensures that the test plan and deliverables are in line with the design, provides the environment for testing and follows the procedures related to the fixes of defects.

• Business analysts will provide their inputs on functional changes.

2.Scope

The initial phase will include all 'must have' requirements. These and any other requirements that get included must all be tested. At the end of Phase 1, a tester must be able to:

1. Create a manual test with as many steps as necessary
2. Save it
3. Retrieve it and have the ability to view it when running the test
4. Enter results and appropriate comments
5. View results

As the team works with the product they will define the needs for the second phase.

Load testing will not be considered part of this project since the user base is known and not an issue.

Rewriting, moving or porting existing test cases from the existing Word documents is not considered part of this project.

3.Entry and Exit Criteria

Entry Criteria

- All test hardware platforms must have been successfully installed, configured, and functioning properly.

- All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.

- All the standard software tools including the testing tools must have been successfully installed and functioning properly.

- Proper test data is available.

- The test environment such as, lab, hardware, software, and system administration support should be ready.

- QA resources have completely understood the requirements

- QA resources have sound knowledge of functionality

- Reviewed test scenarios, test cases and RTM

Exit Criteria

- A certain level of requirements coverage has been achieved.

- No high priority or severe bugs are left outstanding.

- All high-risk areas have been fully tested, with only minor residual risks left outstanding.

- Cost – when the budget has been spent.

- The schedule has been achieved

4.Risks

Risks

The following risks have been identified and the appropriate action identified to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk was triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

#	Risk	Impact	Mitigation Plan
1	SCHEDULE Testing schedule is tight. If the start of the testing is delayed due to design tasks, the test cannot be extended beyond the UAT scheduled start date.	High	The testing team can control the preparation tasks (in advance) and the early communication with involved parties. Some buffer has been added to the schedule for contingencies, although not as much as best practices advise.
2	RESOURCES Not enough resources, resources on boarding too late (process takes around 15 days.	High	Holidays and vacation have been estimated and built into the schedule; deviations from the estimation could derive in delays in the testing.
3	DEFECTS Defects are found at a late stage of the cycle or at a late cycle; defects discovered late are most likely be due to unclear specifications and are time consuming to resolve	High	Defect management plan is in place to ensure prompt communication and fixing of issues.
4	SCOPE Scope completely defined	Medium	Scope is well defined but the changes are in the functionality are not yet finalized or keep on changing

5. Test Environment

Browsers	Google Chrome, Safari, Mozilla Firefox, Microsoft Edge, Opera
Computer OS	Windows 7, Windows 10, MacOS9, MacOSX
Phone OS	Android 10, Android 11, IOS 12.5.4, IOS 14.6
Screen resolution	1280x720, 1280x768, 1360x768, 1366x768
Mobile resolution	1520x720, 1920x1080, 2224x1668
Browsers	Google Chrome, Safari, Mozilla Firefox, Microsoft Edge, Opera
Computer OS	Windows 7, Windows 10, MacOS9, MacOSX
Phone OS	Android 10, Android 11, IOS 12.5.4, IOS 14.6

6. Milestones

Test Schedule

Task Name	Start	Finish	Comments
Test Planning	24.08.2022	26.08.2022	
Review Requirements documents	24.08.2022	25.08.2022	
Create initial test estimates	27.08.2022	12.09.2022	
Staff and train new test resources	-	-	
First deploy to QA test environment	29.08.2022	31.08.2022	
Functional testing – Iteration 1	31.08.2022	01.09.2022	
Iteration 2 deploy to QA test environment	01.09.2022	12.09.2022	
Functional testing – Iteration 2			
System testing			
Regression testing			
UAT			
Resolution of final defects and final build testing			
Deploy to Staging environment			
Performance testing			
Release to Production			

Deliverables

Deliverable	For	Date / Milestone
Test Plan	Project Manager; QA Director; Test Team	
Traceability Matrix	Project Manager; QA Director	

Test Results	Project Manager	
Test Status report	QA Manager, QA Director	
Metrics	All team members	

APPROVALS

	Project Manager	**QA Lead**
Name		
Signature		