Test plan for the website https://bazylika-pszow.pl/

Change history 🔗

Version	Date	Author	Comment
1.0	2 lis 2023	Paweł Aksman	Creating the document

Metric 🔗

Document name	Test Plan for the website 👤 Strona główna
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Document objective 🔗

The objective of this document is to provide information regarding the organization, testing procedures, and test documentation. Further in the document, information will be included about:

- Test subject
- Test subject description
- Test elements

- Test scope
- Test design techniques
- Test data requirements
- Test environment
- Test enviromnemt requirements
- Input/output criteria
- Test acceptance criteria
- Test completion criteria
- List of tools to be used in the testing process
- Test execution
- Test reporting

The document has been prepared by the Contractor and delivered to the Client for the purpose of accepting this document.

Test subject 🔗

The subject of the tests is to verify the functionality and conduct non-functional testing of the website http://parafia-pszow.pl/.

Test subject description 🔗

The website http://parafia-pszow.pl/ is the official website of the Parish of the Nativity of the Blessed Virgin Mary in Pszów. This website contains information about Masses, devotions, and other events taking place in the parish. The site also provides information about the pastors, parish groups, offers a rich gallery of photos, and videos commemorating important events in the life of the parish. Users can use the search engine to find information they are interested in on the website.

Test elements 🔗

The functional and non-functional tests will cover:

- Graphical user interface
- Main menu
- Links on the homepage and subpages
- Navigational images on the homepage and subpages
- Loading of gallery images
- Video playback
- Search engine
- Animation on the homepage

Test scope 🔗

Test element	Test scope
Graphical user interface	Usability tests
	Portability tests

Main menu	Functional tests
	Performance tests
Links on the homepage and subpages	Functional tests
	Performance tests
Navigational images on the homepage and subpages	Functional tests
	Performance tests
Loading of gallery images	Functional tests
	Performance tests
Video playback	Functional tests
	Performance tests
Search engine	Functional tests
	Performance tests
	Security tests
Animation on the homepage	Functional tests

Test design techniques 🔗

In black-box testing, the following test design techniques are utilized:

- Use cases

Test data requirements 🔗

- For correct data during testing of the search engine, phrases containing both lowercase and uppercase letters should be considered. For incorrect data, the use of special characters, emoticons, and characters characteristic of languages of other countries (Arabic script, Cyrillic, etc.) should be taken into account

Test environment 🔗

The following test environment will be used to conduct the tests:

Operating system	Windows 10 Home 64-bit (10.0, Build 19045) (19041.vb_release.191206-1406)
Language	Polish
System manufacturer	HP
System model	HP 250 G4 Notebook PC
BIOS	F.24 (type: UEFI)

Processor	Intel(R) Pentium(R) CPU N3700 @ 1.60GHz (4 CPUs), ~1.6GHz
Memory	4096MB RAM
Available memory	3938MB RAM
Paging file	4994MB used, 4832MB available
Browsers	- Google Chrome - Mozilla Firefox - Micorsoft Edge

Additionally, an internet connection with a speed of 100.0 Mb/s will be provided. The internet connection will be established using a network cable.

Test environment requirements 🔗

- All web browsers used during the testing process should have the latest updates installed
- The operating system should be regularly checked for available updates
- For conducting automated tests, the latest version of the IDE (Integrated Development Environment) should be provided, in which the test scripts will be implemented
- Availability of the latest versions for the tools in which the test scripts will be implemented should be regularly checked

Input/output criteria 🔗

The entry criteria include:

- Environment set up according to requirements and ready for testing
- Test scripts implemented according to current best practices of coding
- The functionality undergoing testing has completed the implementation phase
- In the case of security testing, the Client must provide written consent for conducting penetration tests

For exit criteria, the following are considered:

- Results of conducted tests match the requirements outlined in the documentation and user stories

Test acceptace criteria 🔗

- The graphical user interface meets all usability requirements specified
- The graphical user interface meets all requirements regarding compatibility with the browsers
- Clicking on a link redirects to the correct page
- The maximum waiting time after clicking on a link matches the time specified in the requirements
- Clicking on a navigational image redirects to the correct page
- The maximum waiting time after clicking on a navigational image matches the time specified in the requirements
- Clicking on a navigational icon redirects to the correct page
- The maximum waiting time after clicking on a navigational icon matches the time specified in the requirements

- Proper loading of images on the gallery subpage and other subpages

- Proper functioning of the features responsible for video playback - volume change, mute, stop, play, full-screen function

- Proper system behavior after entering the correct phrase in the search engine

- Proper system behavior after entering an incorrect phrase in the search engine

- Proper system behavior after entering incorrect data in the "Personal Data" form

- Proper playback of animations on the homepage

- The system is not vulnerable to malicious code injections

Test complete criteria 🔗

The end criteria is defined as the time at which the testing was concluded

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List of tools to be used in the testing process 🔗

WebAim	Usability tests
Apache JMeter	Performance tests
SQLMap	Security tests
Security Headers	Security tests
HTML Comments Finder	Security tests - analysis of HTML code in terms of embedded comments
Screenshot Captor	Screenshots capture
Microsoft Visual Studio Code	Storage of test data for automated tests
IntelijIdea	Test automation
Microsoft Playwright	Test automation
AndroidDriver	Test automation
TestNG	Test automation
Allure	Reporting of automated tests
Qase	Test management

Programming languages used for test automation:

Microsoft Playwright	Java
AndroidDriver	

Test execution 🔗

The order of test execution aligns with the sequence of test cases in individual scenarios. In case of obtaining a negative test result, the specific test case will be repeated. Upon obtaining a negative result again, the tester will include information describing the defect in the

defect report. This report will also contain information regarding the test data (if any) used for testing purposes, as well as the reproduction steps necessary to repeat the test.

Test reporting 🔗

After conducting the tests, the Contractor's representative will provide the Client with the test results, consisting of completed test scenarios and automated test reports in HTML format generated by the Allure tool. In case it's not possible to conduct tests due to reasons attributable to the Client, the Contractor's representative will deliver reports excluding the scenarios of tests not conducted.