

Final Project

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Introduction

Website: ndda.kz

URL: <https://www.ndda.kz/>

Short Description

NDDA website.kz is the official web resource of the National Center for Expertise of Medicines and Medical Devices in Kazakhstan. It serves as an information platform and gateway for providing online services related to the examination, registration, safety, efficacy and quality of medicines and medical devices on the market of the Republic of Kazakhstan. The site contains registries, regulatory information, instructions, message forms, and contact information.

Purpose of Testing

The main purpose of testing is to ensure that the website ndda.kz It operates reliably, safely, and efficiently, providing users (applicants, healthcare professionals, and the public) with accurate and up-to-date content, as well as uninterrupted access to critical online services and registries.

Key tasks:

- Confirm that all online services (submitting applications, filling out message cards, searching in registries) are working correctly and processing data correctly.
- Check the accuracy and relevance of the displayed regulatory, registry, and reference information.
- Ensure high usability and correct display on various devices and browsers.
- Make sure that your personal data is secure and protected from unauthorized access (especially in sections that require authorization).

Testing Scope

Testing covers the main functional and visual aspects of a website ndda.kz , including checking the functionality of the main page, the functionality of the navigation menu and the main sections (Registries, Online services, Regulatory framework), the performance

of the search function on the site and within registries, checking the adaptability of the layout and responsiveness of the user interface (UI) on various devices, the correctness of the display on mobile and desktop screens, basic testing of page performance and loading behavior, as well as checking data validation processes and error handling mechanisms when interacting with the user (for example, when filling out message forms).

Test Summary

Test Types

To evaluate the functionality and overall quality of ndda.kz, the following functional and non-functional testing types were executed:

1. Functional testing – verification of the main user flows such as searching for books, browsing categories, opening book details, adding items to the cart, changing language, logging in, and completing navigation across primary pages.
2. Localization and Content Accuracy testing – checking Kazakh and Russian language versions of the website for correct translations, consistent terminology, and proper formatting of book titles, descriptions, and navigation elements.
3. Usability testing – assessing the simplicity of the interface, clarity of the homepage layout, accessibility of filters, readability of book information, and the overall ease of completing common user tasks.
4. UI testing – examining visual consistency across pages, alignment of book cards, correct display of images, responsive behavior on mobile screen sizes, and evaluation of icons, buttons, and fonts.
5. Compatibility / Cross-Browser testing – checking website behavior on Chrome, Firefox, and Edge, as well as on a mobile browser through an Android emulator to ensure stable rendering and correct functioning across devices.
6. Performance testing – measuring page loading time for the main catalog, book details pages, and search results, using browser DevTools to identify potential delays or layout shifts.

Test Environment

Operating Systems:

- Windows 11 (Acer Nitro 5)
- Android 11 (Redmi)

Browsers:

- Yandex Browser
- Google Chrome

Devices:

- Laptop – Acer Nitro 5, 1920×1080 resolution
- Mobile – Redmi, standard mobile viewport sizes

Tools Used

1. Webpage Spell-check

Chrome is an extension that detects grammatical and spelling errors on a web page.

2. Fake Filler

A tool for automatically filling out forms (login/registration) to check the correctness of validation.

3. EqualWeb Accessibility Checker

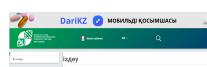
Checks the site for WCAG/ADA compliance, identifies accessibility and contrast issues.

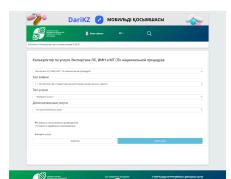
4. Dead Link Checker

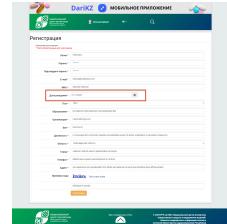
Scans the entire site and finds broken links (404, 429, etc.).

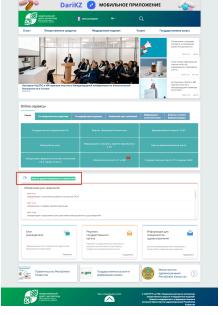
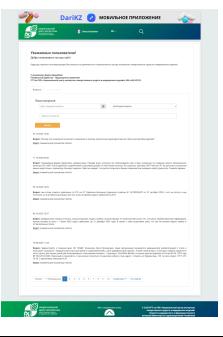
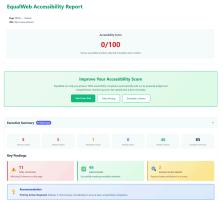
Test Cases and Results

TC-ID	Test Case Name	Steps to Execute	Expected Result	Actual Result	Screenshots	Status (PASS/FAIL)
TC-01	Homepage Loading	1. Open nnda.kz	Homepage loads fully without delays; all sections visible	Page loads correctly		PASS

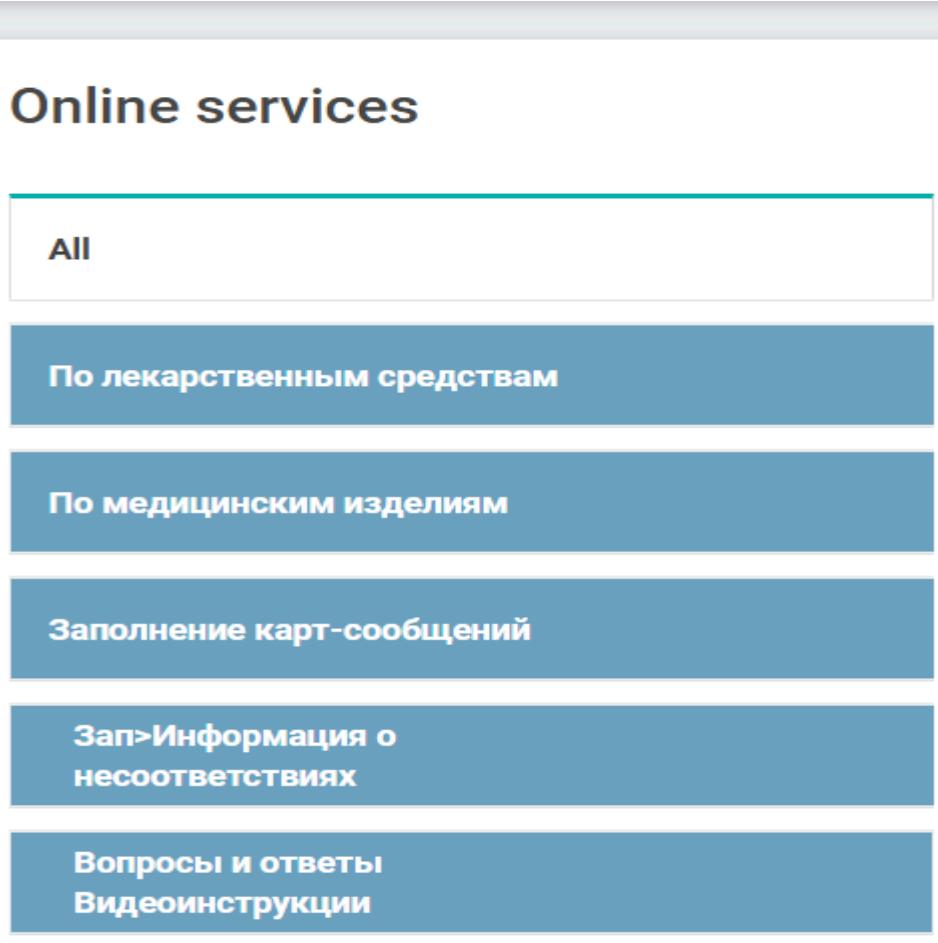
TC-02	Language switch (KZ → RU)	1. Click language toggle; 2. choose Russian	Website switches to Russian; all text translated properly	All texts translated		PASS
TC-03	Searching medicines	1. Enter a medicine (e.g., “Параце томол”) in search bar	Relevant info about medicine appear in search results	Search works correctly		PASS
TC-04	Button to back	1. Search something 2. Press button to back	Going back to the main page	Stayed in the search page with error “іздеу қатесі: Сіз енгізген дұрыс емес немесе бос сұрай”		FAIL
TC-05	Information about 1. Price list 2. Conducting an examination of the OTS and CTN 3. Quality assessment	1. Main Page 2. “Медициналық бұйымдар” 3. “Бағалар прейскуранты” https://www.ndda.kz/category/bagal_ar_preiskuranty_mi	Find some information	Empty Page		FAIL

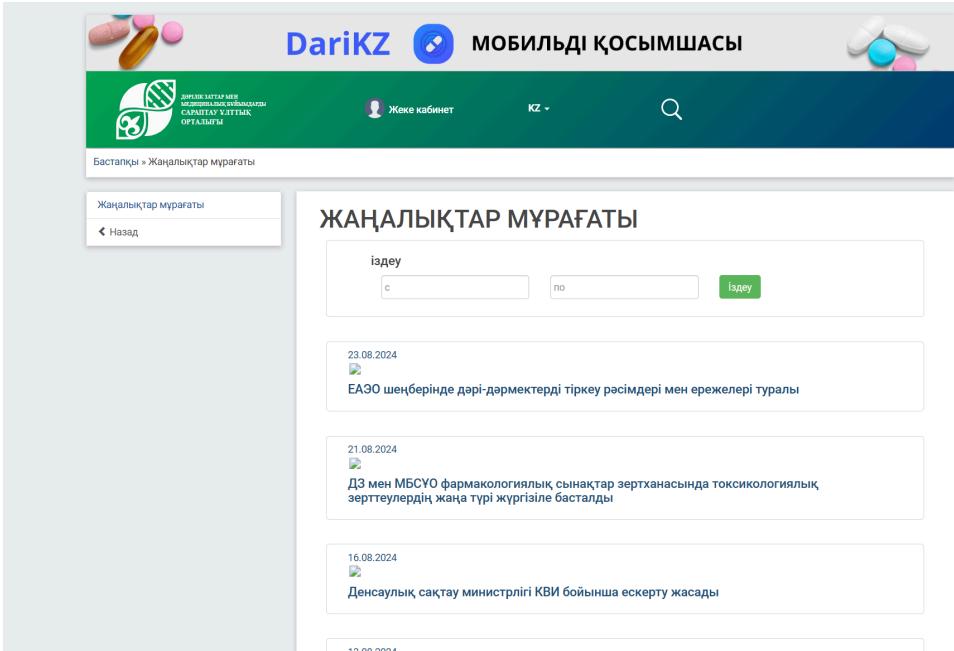
TC-06	Empty Page	https://www.ndda.kz/category/ulgilier	Information about Letter templates for applicants	Empty Page		FAIL
TC-07	Calculator	https://www.ndda.kz/category/calculator	Find out the price of services	There is no type of service		FAIL
TC-08	About the scientific and educational center	https://www.ndda.kz/category/gilim_bilim_turaly#	Choosing a seminar	There no link to the seminar. So you back to the same page		FAIL
TC-09	Registration	https://expertise.ndda.kz/portal/author/register	Complete registration	You cannot complete the registration because, after clicking the button, nothing happens.		FAIL
TC-10	Page not found	https://www.ndda.kz/category/reweenie_kkmfd	Give some information	Page not found		FAIL
TC-11	Search with symbols	https://www.ndda.kz/search	Should return "No results"	Works correctly		PASS

			found”			
TC-12	Pop-up window	Main page	Open more details without problem	Works perfect but design UX experience is bad		PASS
TC-13	Google Play	https://www.ndda.kz/pages/mobilnoe-prilozhenie-dari-kz_1703070580	Open with Google Play for Android systems	Page not found		FAIL
TC-14	Social network	Main Page	Go to the social network	Nothing in this place		FAIL
TC-15	UX/UI Problems	Main Page	The interface is eye-catching	Moved very much to the left		FAIL
TC-16	UX/UI Problems	Main Page	UX/UI Problems	Moved very much to the down		FAIL
TC-17	New born user	https://www.ndda.kz/user/registration/	Do not register a person under the age of 18	Even unborn people are registered.		FAIL
TC-18	Checking Webpage Spell Check	Main page	There must be no mistakes	There no mistakes		PASS

TC-19	Invalid values in registration page	https://www.ndda.kz/user/registration/	Not allow and give message about error	Allowed not invalid e-mail,BIN		FAIL
TC-20	Google Form	https://www.ndda.kz/	Go to the google form	Gone to the google form		PASS
TC-21	Answer to the people	https://www.ndda.kz/	Give them answers	Answers people's questions and the answers are publicly available		PASS
TC-22	EqualWeb Accessibility Checker	https://www.ndda.kz/	Expected result is min 70/100	Test results 0/100		FAIL
TC-23	Dead Link Checker	https://www.ndda.kz/	Expected dead links 10-20	Test Result is 120 dead links		FAIL

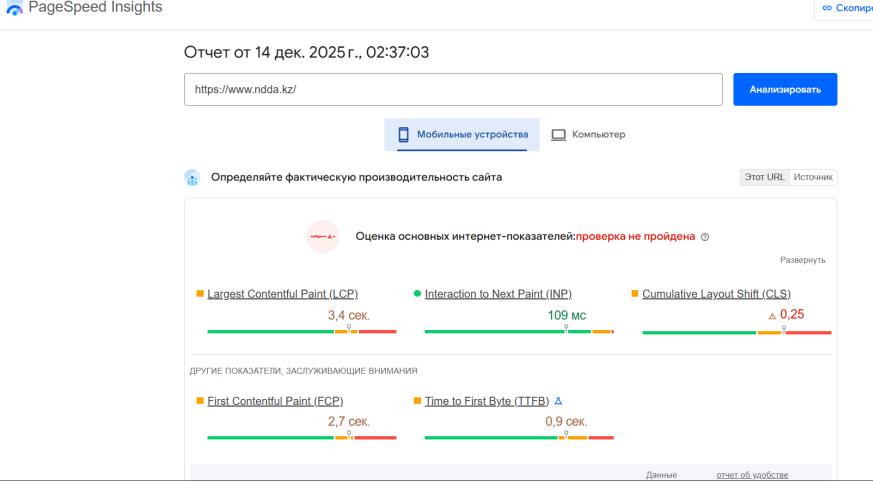
Bug report

Field	Description
Bug ID	Bug-01
Title	Language Switch Does Not Translate All Elements
Steps to Reproduce	<ol style="list-style-type: none">1. Open a phone version of site2. Switch language to the ENG3. Scroll down
Expected Result	All interface elements switch to English language
Actual Result	A lot of elements in Russian language
Priority	High
Screenshot	 <p>The screenshot shows a mobile application interface. At the top, the text 'Online services' is displayed in bold. Below it is a horizontal line. The word 'All' is centered in a white box. Below this are five blue rectangular buttons with white text: 'По лекарственным средствам', 'По медицинским изделиям', 'Заполнение карт-сообщений', 'Зап>Информация о несоответствиях', and 'Вопросы и ответы'. At the bottom of the list is another blue button labeled 'ВидеоИнструкции'.</p>

Field	Description
Bug ID	Bug-02
Title	Button back
Steps to Reproduce	<ol style="list-style-type: none"> 1. Open a page “Орталық туралы” 2. Go to the “Басшылық” and choose any person 3. Press button back
Expected Result	Going to the page where stand other people
Actual Result	Went to the page “Жаңалықтар мұрагаты”
Priority	High
Screenshot	

Why This Issue Is Important	The Back button is one of the most "sacred" buttons in interfaces. The user expects a strictly predictable behavior from it: to return to the previous logical screen. Not "somewhere", not "to a similar page", but to where he came from.
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Field	Description
Bug ID	Bug-03
Title	PageSpeed Insights
Steps to Reproduce	<ol style="list-style-type: none">1. Go to the website https://pagespeed.web.dev2. Check pageseed in mobile phone and laptop
Expected Result	LCP is less than 3 seconds
Actual Result	LCP is great than 3 seconds
Priority	Medium

Screenshot	
Why This Issue Is Important	<p>The user hasn't read anything yet, clicked on it, or made a mistake, but the site already seems slow. Slow websites are perceived as unreliable, even if everything works perfectly afterwards.</p>

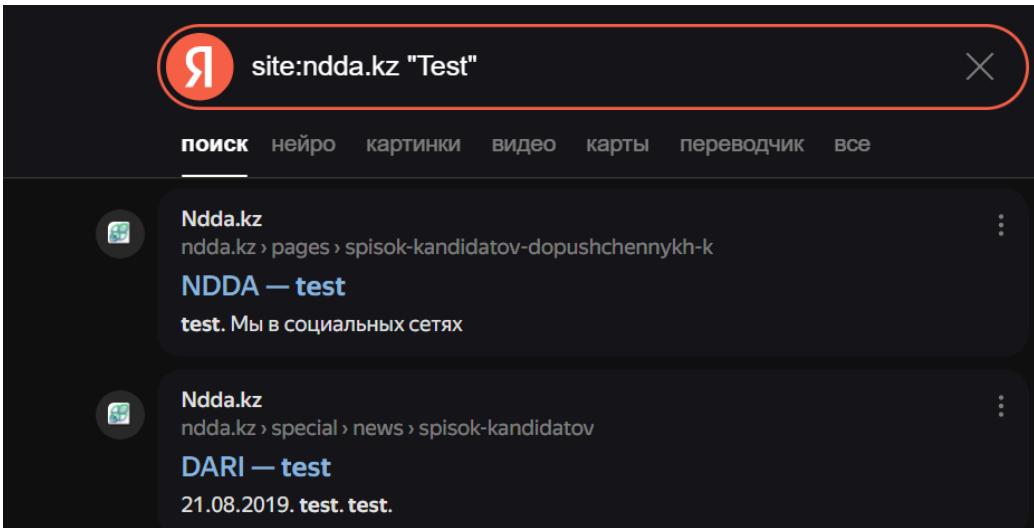
Field	Description
Bug ID	Bug-04
Title	Switching a language while registration
Steps to Reproduce	<ol style="list-style-type: none"> 1. Open a registration page 2. After the filling some variables switch a language
Expected Result	Translate the page
Actual Result	Going to the Main Page
Priority	High
Screenshot	
Why This Issue Is Important	<p>The user has started registration, a process that requires attention and time. When you change the language, it is thrown to the main page, and the entered data is lost. This is perceived as a system bug, not as a "feature".</p>

Field	Description

Bug ID	Bug-05
Title	Trimming
Steps to Reproduce	Search for some medicine, but put a space before and after word.
Expected Result	With the method, trim find information about medicines.
Actual Result	The system does not "trim" unnecessary spaces (there is no trim function).
Priority	High
Screenshot	
Why This Issue Is Important	Spaces at the beginning or end of a word are not exotic, but a common user behavior. People copy text, type from their phones, and rush. The system must be ready for this.

Field	Description
Bug ID	Bug-06
Title	Breadcrumbs
Steps to Reproduce	Go deep into the structure of the site (3-4 levels of nesting). Click on the intermediate link in this chain (for example, on the word "ДЗ және МБ қауіпсіздік мониторингі").
Expected Result	Go to the page ДЗ және МБ қауіпсіздік мониторингі

Field	Description
Bug ID	Bug-07
Title	Placeholder text for the bug title.

Steps to Reproduce	Use the website search (or via Google: site:ndda.kz "Lorem Ipsum" or site:ndda.kz "Test").
Expected Result	No result
Actual Result	Test news or blank pages that you forgot to hide from users.
Priority	Medium
Screenshot	
Why This Issue Is Important	The presence of Lorem Ipsum / Test pages means that there is still service or draft content in production. To the user, it looks like an unfinished or careless website.

Conclusion

During site testing ndda.kz Both functional and non-functional problems affecting the usability, stability, and overall perception of the resource were identified. The main defects identified are related to navigation, localization, user registration, user input processing, performance and content quality.

A number of bugs have a high priority, as they disrupt key user scenarios (registration, site navigation, information search) and can lead to data loss, user disorientation, and reduced trust in the system.

Problems were also found that negatively affect UX, SEO and accessibility, which is especially critical for a government and information-significant web resource.

In general, the site performs its main function, but the current quality of implementation requires improvements before the resource can be considered fully reliable and convenient for all categories of users.

Recommendations

First of all, fix bugs with high priority related to:

- registration and validation of data;
- navigation (Back button, breadcrumbs);
- user input processing (trim, age restrictions).

Finalize the localization mechanism, ensuring the correct translation of all interface elements without resetting the current user state.

Improve website performance by focusing on Core Web Vitals metrics, especially LCP, to enhance user experience and SEO metrics.

Remove or hide test and service content (Lorem Ipsum, blank pages) from the production version of the site.

Fix the identified UI/UX issues related to the alignment of elements and navigation logic to make the interface look stable and predictable.

Perform repeated regression testing after corrections, as well as regular accessibility and broken links checks.