



QA MANUAL SOFTWARE TESTER 2022


Final Project

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https://www.kv.ee/

kuldne
BÖRS

KUULUTUSED
SEINAST SEINA



LISA TASUTA
KUULUTUS

KV.EE
NR.1 KINNISVARAPORTAAL

Flats

Houses

Sharehouses

New development


Plots

Premises

More...

Sign In

Advertise

Est KV 

Sale

☐ Only private users

☐ Possibility to change

County

Town/Parish

ROOMS

from

until

PRICE

from

until

€/m2

YOUR LAST SEARCHES

Your searches will appear here

This allows You conveniently keep up with desired ads

Keyword (sauna, Kadriorg...), object ID search

MAP SEARCH

ADVANCED SEARCH

SEARCH

Apartment sale In Tallinn | In Tartu | In Harjumaa

Rent In Tallinn | In Tartu | In Harjumaa

KV Üürikad | KV index 147.4 ↑ 0.68

Visitors yesterday: 92 757



SAMPLE DWELLING
LEASE CONTRACT

Download the document 

Compiled by Ellex Raida Law Office on behalf of KV.EE

News

Top

New price 12

Saved objects 0

Brokers

Send request to broker

SPECIAL OFFERS



Kastani kodud - pealinnast linnulennu kaugusel



Tule tutvumiskohtule 24.märtsil



Türi Quarter - a small city inside a big one



Vikimõisa III etapp- Registreeri huvi!



328
NÕMME

List of the Web Page Sections

- Header
- Navigation Bar
- Banners
- Sign In/Create Account Button
- Advertise Button
- Language Change Button
- Search Field
- Images
- Quick Links
- Main Section With Hyper Links
- Higher Footer With Hyper Links
- Lower Footer With Hyper Links

Test Types Explored

- Functional Testing (manual)
- Compatibility Testing (browsers and devices)
- Accessibility Testing (manual and automated)
- Security Testing
- Performance Testing
- Exploratory Testing

Functional Testing



Functional testing was carried out by using a variety of manual testing techniques, while keeping in mind the needs of the stakeholders.

Compatibility Testing

BROWSER COMPATIBILITY

➤ Chrome



➤ Firefox



➤ Opera



DEVICE COMPATIBILITY

➤ iPhone



➤ Macbook

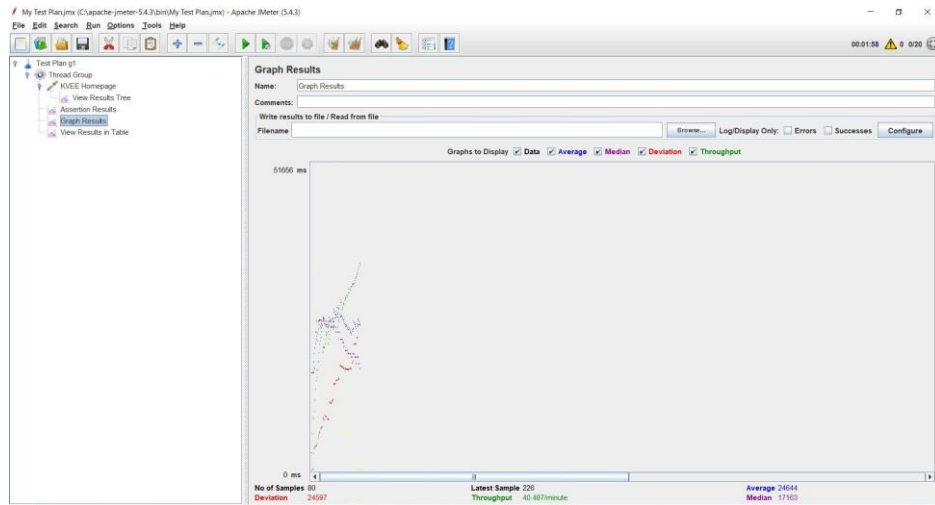
➤ Windows 10 using BrowserStack

➤ Android using BrowserStack



BrowserStack

Performance Testing Load Testing Using Apache Jmeter V5.4.3



Thread Group

Name: Thread Group

Comments:

Action to be taken after a Sampler error

☒ Continue ☐ Start Next Thread Loop ☐ Stop Thread ☐ Stop Step ☐ Stop Test Now

Thread Properties

Number of Threads (users): 24

Ramp-up period (seconds): 1

Loop Count: ☐ Infinite ☒ 4

☒ Same user on each iteration

☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

View Results in Table

Name: View Results in Table

Comments:

Write results to file / Read from file

Filename:

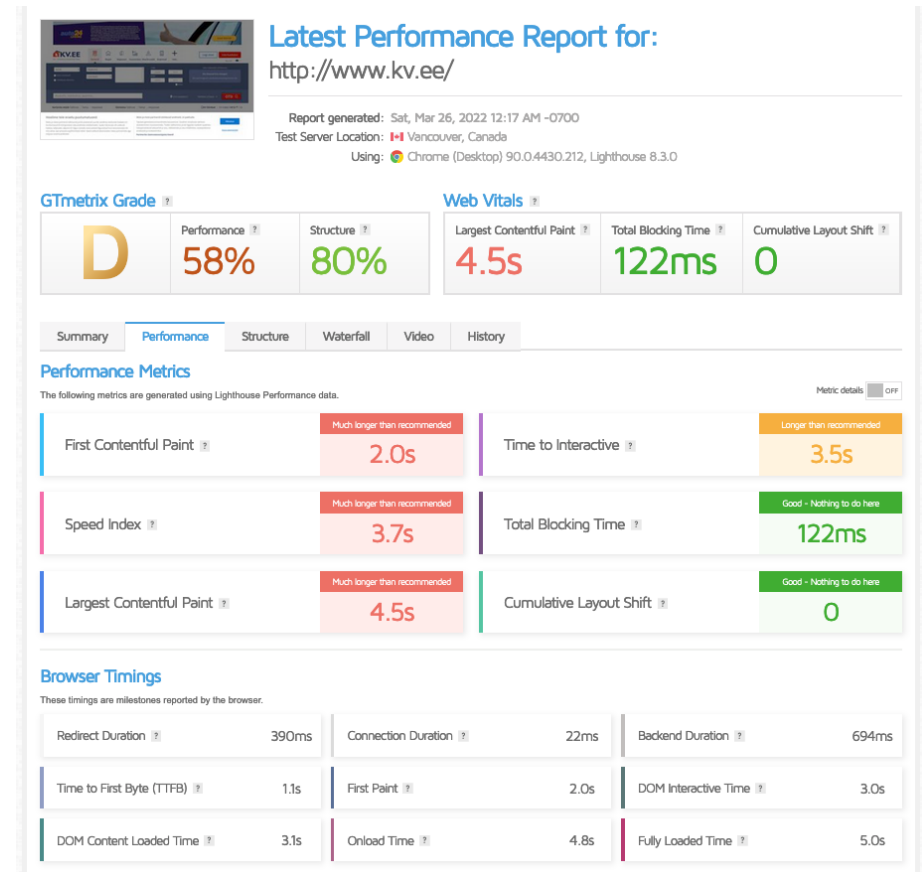
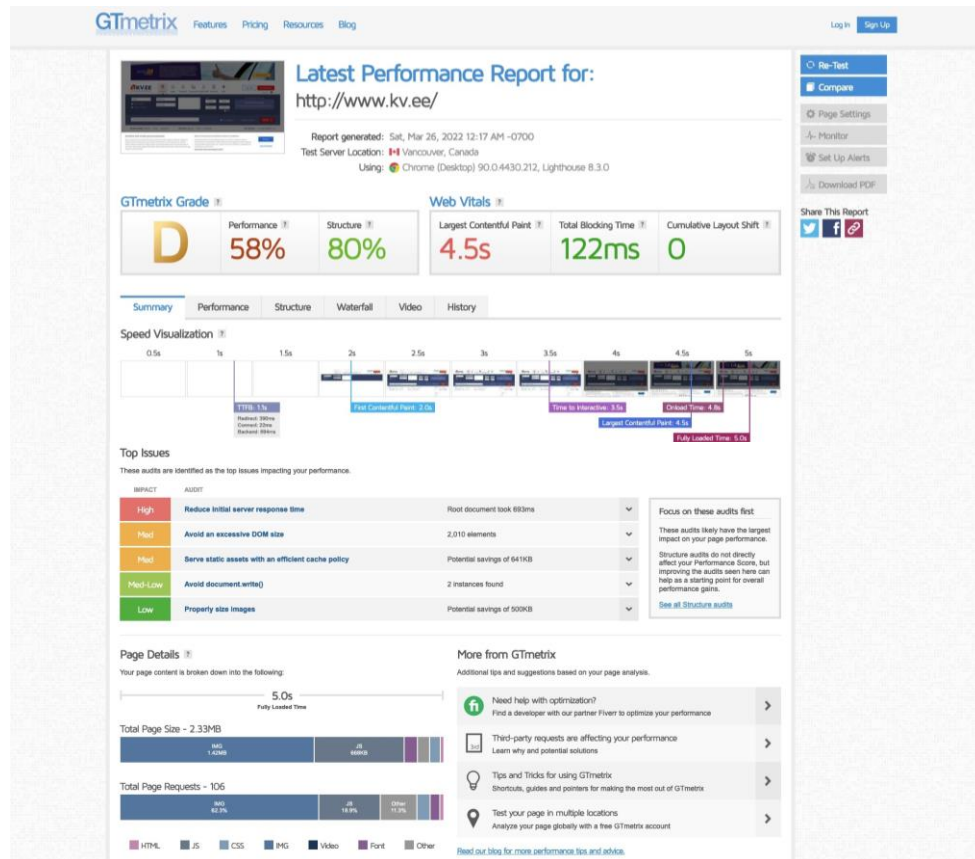
Log/Display Only: ☐ Errors ☐ Successes ☐ Configure

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	08/30/03 00:00:00	Thread Group 1-14	JVCEE Homepage	16460	Error	1182960	111	3840	4852
2	08/30/03 00:00:00	Thread Group 1-15	JVCEE Homepage	16602	Error	1182960	111	4080	4907
3	08/30/03 00:00:00	Thread Group 1-3	JVCEE Homepage	17163	Error	1182960	111	521	176
4	08/30/03 00:00:00	Thread Group 1-11	JVCEE Homepage	21503	Error	1182960	111	2127	344
5	08/30/03 00:00:00	Thread Group 1-12	JVCEE Homepage	25150	Error	1182964	111	2314	370
6	08/30/03 00:00:00	Thread Group 1-18	JVCEE Homepage	25331	Error	1182960	111	1687	686
7	08/30/03 00:00:00	Thread Group 1-13	JVCEE Homepage	25868	Error	1182964	111	2024	348
8	08/30/03 00:00:00	Thread Group 1-7	JVCEE Homepage	27603	Error	1182960	111	545	10
9	08/30/03 00:00:00	Thread Group 1-17	JVCEE Homepage	26897	Error	1182960	111	4332	534
10	08/30/03 00:00:00	Thread Group 1-16	JVCEE Homepage	15586	Error	1182960	111	3540	908
11	08/30/03 00:00:00	Thread Group 1-2	JVCEE Homepage	33477	Error	1182970	111	107	13
12	08/30/03 00:00:00	Thread Group 1-19	JVCEE Homepage	32826	Error	1182974	111	5017	1247
13	08/30/03 00:00:00	Thread Group 1-8	JVCEE Homepage	33825	Error	1182973	111	797	268
14	08/30/03 00:00:00	Thread Group 1-1	JVCEE Homepage	33841	Error	1182973	111	290	43
15	08/30/03 00:00:00	Thread Group 1-11	JVCEE Homepage	11531	Error	1182973	111	1889	403
16	08/30/03 00:00:00	Thread Group 1-3	JVCEE Homepage	18608	Error	1182960	111	5480	1030
17	08/30/03 00:00:00	Thread Group 1-10	JVCEE Homepage	36852	Error	1182964	111	6787	583
18	08/30/03 00:00:00	Thread Group 1-14	JVCEE Homepage	28812	Error	1182960	111	3746	813
19	08/30/03 00:00:00	Thread Group 1-6	JVCEE Homepage	48890	Error	1182962	111	367	57
20	08/30/03 00:00:00	Thread Group 1-17	JVCEE Homepage	22883	Error	1182964	111	4158	1611
21	08/30/03 00:00:00	Thread Group 1-12	JVCEE Homepage	26824	Error	1182973	111	2887	1568
22	08/30/03 00:00:00	Thread Group 1-13	JVCEE Homepage	4846	Error	2030	0	0	2150
23	08/30/03 00:00:00	Thread Group 1-8	JVCEE Homepage	21818	Error	1182960	111	5790	3262
24	08/30/03 00:00:00	Thread Group 1-14	JVCEE Homepage	18802	Error	1182973	111	3603	2428
25	08/30/03 00:00:00	Thread Group 1-13	JVCEE Homepage	36854	Error	1182974	111	3294	1537
26	08/30/03 00:00:00	Thread Group 1-19	JVCEE Homepage	24188	Error	1182973	111	5881	3108
27	08/30/03 00:00:00	Thread Group 1-2	JVCEE Homepage	28131	Error	1182973	111	5683	2412
28	08/30/03 00:00:00	Thread Group 1-15	JVCEE Homepage	15803	Error	1182961	111	4071	2119
29	08/30/03 00:00:00	Thread Group 1-3	JVCEE Homepage	38642	Error	1182960	111	3773	1614
30	08/30/03 00:00:00	Thread Group 1-5	JVCEE Homepage	47550	Error	1182960	111	195	86
31	08/30/03 00:00:00	Thread Group 1-14	JVCEE Homepage	11844	Error	1182974	111	2671	1833
32	08/30/03 00:00:00	Thread Group 1-6	JVCEE Homepage	18117	Error	1182973	111	4227	1888
33	08/30/03 00:00:00	Thread Group 1-12	JVCEE Homepage	13812	Error	1182974	111	5448	1274

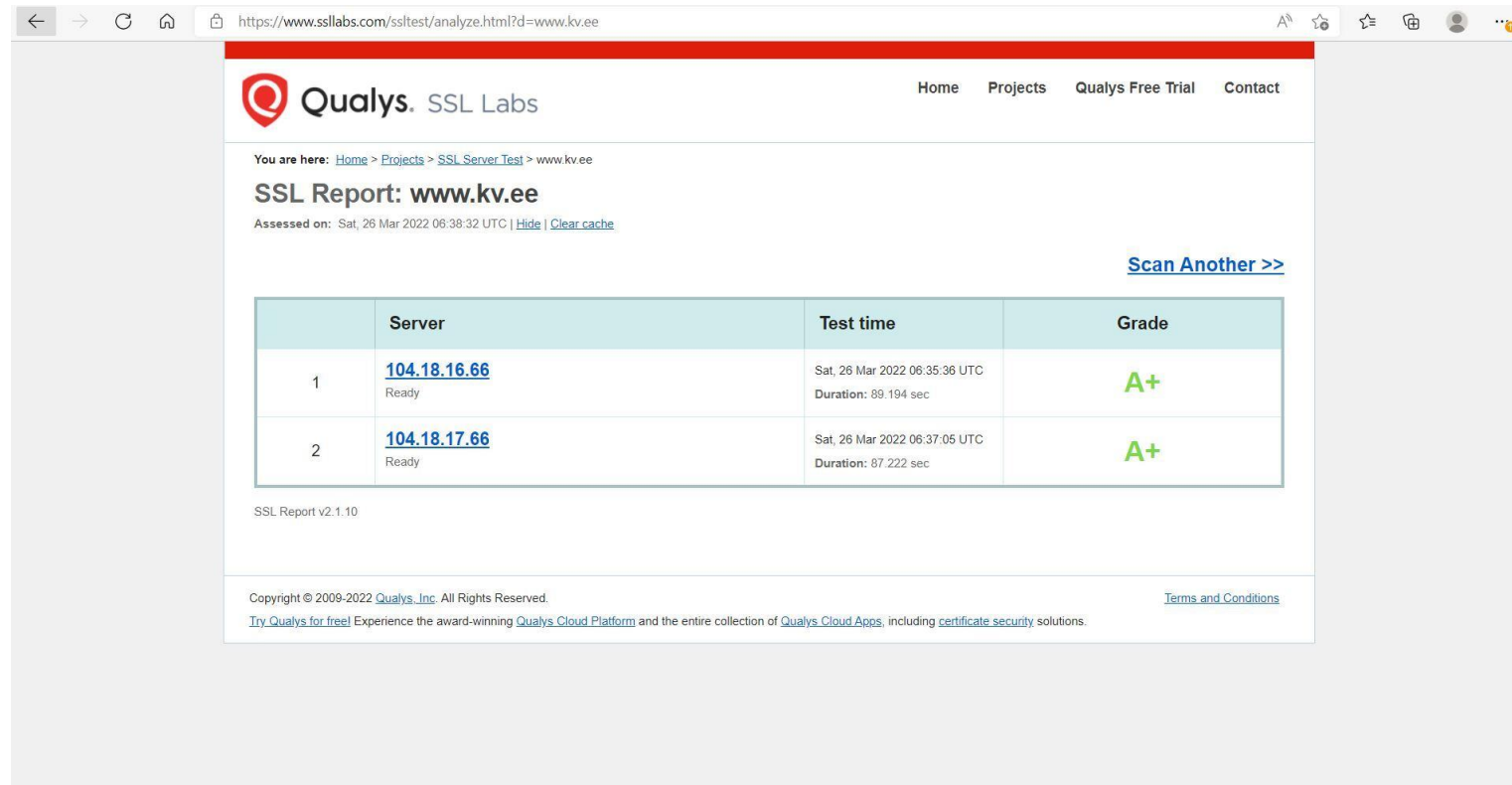
No of Samples: 62
Latest Sample: 49171
Average: 24614
Deviation: 17129

Scroll automatically? ☐ Child samples? ☐

Performance Testing Load Testing Using GT Metrix Tool



Security Testing Using Online Tool from SSL Labs



The screenshot shows the Qualys SSL Labs website interface. At the top, there's a navigation bar with the Qualys logo and links for Home, Projects, Qualys Free Trial, and Contact. Below this, a breadcrumb trail indicates the current location: Home > Projects > SSL Server Test > www.kv.ee. The main heading is "SSL Report: www.kv.ee", followed by the assessment date and time: "Assessed on: Sat, 26 Mar 2022 06:38:32 UTC". A link to "Clear cache" is also present. A "Scan Another >>" link is located to the right of the table. The table contains two rows of test results, both showing an "A+" grade. The footer includes copyright information for 2009-2022 Qualys, Inc. and links to "Terms and Conditions" and "Try Qualys for free!".

Qualys SSL Labs

Home Projects Qualys Free Trial Contact

You are here: [Home](#) > [Projects](#) > [SSL Server Test](#) > [www.kv.ee](#)

SSL Report: [www.kv.ee](#)

Assessed on: Sat, 26 Mar 2022 06:38:32 UTC | [Hide](#) | [Clear cache](#)

[Scan Another >>](#)

	Server	Test time	Grade
1	104.18.16.66 Ready	Sat, 26 Mar 2022 06:35:36 UTC Duration: 89.194 sec	A+
2	104.18.17.66 Ready	Sat, 26 Mar 2022 06:37:05 UTC Duration: 87.222 sec	A+

SSL Report v2.1.10

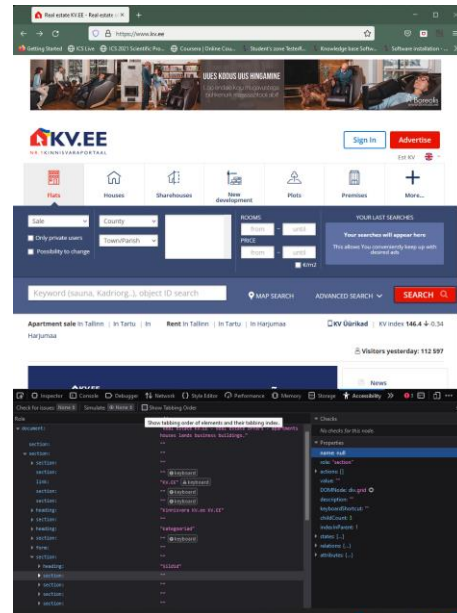
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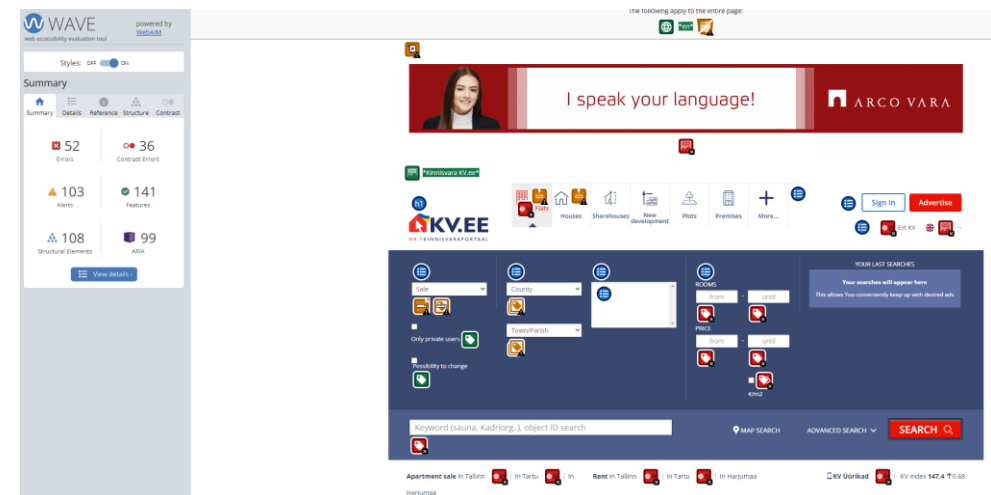
Accessibility Testing

Using Tab & Shift+Tab Keys, Wave, Inspect & Lighthouse

INSPECT



WAVE



Usability Testing

[← Return to Dashboard](#)

Testing kv.ee

Working On | FinalProject Group1 | [Help & Feedback](#)

OVERVIEW | TODO | MILESTONES | TEST RUNS & RESULTS | TEST CASES | REPORTS | ADMINISTRATION

C20 Usability testing, UX, manual test

In section Usability Test Cases.

Usability Test Cases

Type	Priority	Estimate	References
Other	High	None	None

Preconditions

Access to [www.kv.ee](#)
Device: Samsung Galaxy Tab S6 - Android 11

Steps

User: 36 year old male, non-Estonian, language skills English and Estonian, education Master's degree, computer user level advanced

The user was asked to conduct a search for the real estate listing of their selection.
The user was asked to rate his experience on a scale of 1 to 10.
The user was asked if he would recommend the website to other users.
The user was asked to give suggestions, if any.

Search object:
Used apartment for sales
3 bedrooms
1 office / workspace
1 bathroom
in Pärnu city center
Renovated or ready to live in
Parking space
Balcony
Price 100-200k€

Expected Result

Easy to navigate, easy to conduct the search, desired and clear search result. The user would recommend the website.

Details

Tests & Results

Defects

History

People & Dates

Created	FinalProject Group1
	3/26/2022 8:21 AM
Updated	FinalProject Group1
	3/26/2022 8:54 AM

Testrail - Test Cases & Test Run

Testing kv.ee

OVERVIEW TODO MILESTONES TEST RUNS & RESULTS TEST CASES REPORTS

Test Cases

Sort: Section Filter: None Display Deleted Test Cases Add Case Edit Delete Columns

Compatibility Test Cases

ID	Title
C1	Verify login function with valid email and password on desktop
C2	Verify login function with valid email and password on mobile devices
C12	Drop-down menu for extras on mobile devices
C13	Map search with definite location on desktop
C14	Verify the translation of search filters of /moodulmajad page.
C15	Verify the translation of ADVANCED SEARCH items of kv.ee page.

Add Case / Add Subsection

Functional tests www.kv.ee

Testing real estate website www.kv.ee functions

ID	Title
C3	Account creation, expected
C4	Login in with email, expected
C5	Login in with email, forgot password
C6	Search function
C16	Advertisement creation, seller
C17	Advertisement creation, renter
C18	www.kv.ee footer info view
C19	Login with email, wrong password

Add Case / Add Subsection

Accessibility Test Cases

Test subject www.kv.ee

ID	Title
C7	Keyboard Accessibility, manual test
C8	Keyboard Accessibility, automated test
C9	Keyboard Accessibility, login function, manual test
C10	Text resizing 200%, manual test
C11	Text contrast, automated test

Testing kv.ee

OVERVIEW TODO MILESTONES TEST RUNS & RESULTS TEST CASES REPORTS

Test Runs

In the past 15 days:

- 7 Passed (84% set to Passed)
- 0 Blocked (0% set to Blocked)
- 0 Retest (0% set to Retest)
- 4 Failed (48% set to Failed)

Milestones

This project doesn't have any active milestones. You can add a new milestone.

+ Add Milestone

Test Runs

- Test Run 3/22/2022 By FinalProject G. on 3/22/2022
- Test Run 3/21/2022 By FinalProject G. on 3/21/2022
- Test Run 3/21/2022 By FinalProject G. on 3/21/2022

Activity

Tuesday, March 22, 2022

Test Run Test Run 3/22/2022 Created by FinalProject G.

Monday, March 21, 2022

Test Run Test Run 3/21/2022 Created by FinalProject G.

Test Run Test Run 3/21/2022 Created by FinalProject G.

Test Run Test Run 3/21/2022 Created by FinalProject G.

Friday, March 18, 2022

Test Run Test Run 3/18/2022 Created by FinalProject G.

Test Run Test Run 3/18/2022 Created by FinalProject G.

Wednesday, March 16, 2022

Test Run Test Run 3/16/2022 Created by FinalProject G.

Show More

Test Case 33 - Excel

Logged in on site

Project Name	WIKI API functionality					
Title	Login in with email					
Description	Testing logging in functionality on www.kv.ee with email					
Test designed by	Katvill					
Test designed date	13/03/2022					
Test executed by	Katvill					
Test executed date	14/03/2022					
Test case ID	TEST_3					
Test priority (low/medium/high)	high					
Category	Functionality					
Pre conditions	Valid login, proper site in english, wireless internet connection					
Dependencies						
Step	Test Steps	Test data	Expected result	Actual result	Status (pass/fail)	Notes
1	open site	www.kv.ee	website open	Website open	PASS	
2	click on "Sign in"		new window open "To continue login or register user"	New small window opened	PASS	BSSE window title over window closing X mark, top right
3	Option "Private user/owner"	Private user: daniel@kv.ee	success	success	PASS	
4	Option "User name/Email"	8	success	success	PASS	
5	Option "Password"	Kvatt33	success	success	PASS	there is "forgot password" link
6	click "login"		Logged in on site	success, logged in	PASS	there is additional log in options
Post conditions						

Ready Accessibility Good to go Display Settings 70%

Jira – Bug Reports

group-1-final-project
Software project

PLANNING

- Roadmap
- Backlog
- Board

DEVELOPMENT

- Code

Project pages

- Add shortcut
- Project settings

Projects / group-1-final-project

Backlog

..

Search G Epic Insights

Plan your sprint
Drag issues from the Backlog section, or create new issues, to plan the work for this sprint. Select **Start sprint** when you're ready.

+ Create issue

Backlog (16 issues) Create sprint

G1FP-1 Keyboard Accessibility error	TO DO
G1FP-2 In Firefox the keyboard focus in search area is with very poor contrast.	TO DO
G1FP-3 Keyboard trap in the login window to exit the window	TO DO
G1FP-4 Keyboard accessibility failed in login window	TO DO
G1FP-5 Text contrast ratio of min. 7:1 is not met	TO DO
G1FP-6 Property size drop-down items are not translated	TO DO
G1FP-7 ADVANCED SEARCH items are not translated to English	TO DO
G1FP-9 Sign In window header overlap	TO DO
G1FP-10 Footer info "For RE companies" is not translated in English	TO DO
G1FP-11 Footer "Contacts" don't have picture in Firefox	TO DO
G1FP-12 Footer "Price statistics" some info not translated	TO DO
G1FP-13 Footer "Customer support" don't have logos in Firefox	TO DO
G1FP-14 Footer Calculator is misleading and not translated	TO DO
G1FP-15 Footer Terms to use and Privacy Policy info not translated	TO DO
G1FP-16 Ad information has not been translated	TO DO
G1FP-17 Advertise adding to kv.ee	TO DO

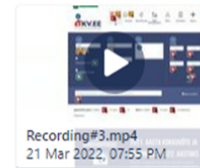
Text contrast ratio of min. 7:1 is not met

Attach Add a child issue Link issue

Description

The visual presentation of text doesn't have a contrast ratio of at least 7:1 in every text element.

Attachments (1)



Activity

Show: All Comments History

Newest first



Add a comment...

Pro tip: press M to comment

Bugs

- ✖ Keyboard accessibility error - keyboard focus while using TAB key is visible to the user only in the search area and not in other places on the website.
- ✖ In Firefox while using TAB key the keyboard focus in search area is with very poor contrast.
- ✖ Keyboard trap in the login window to exit the window
- ✖ Keyboard accessibility failed in the login window
- ✖ Text contrast ratio of min. 7:1 is not met
- ✖ Property size drop-down items are not translated
- ✖ ADVANCED SEARCH items are not translated to English
- ✖ Sign In window header overlap
- ✖ Footer info "For RE companies" is not translated in English
- ✖ Footer "Contacts" don't have a picture in Firefox
- ✖ Footer "Price statistics" some info not translated
- ✖ Footer "Customer support" don't have logos in Firefox
- ✖ Footer Calculator is misleading and not translated
- ✖ Footer Terms to use and Privacy Policy info not translated
- ✖ Ad information has not been translated
- ✖ Advertise adding to kv.ee
- ✖ Advertisement creation incorrect translation

SWOT Analysis

Strengths

- ✓ Mobile app available
- ✓ No need for registration to view the advertisements
- ✓ Comprehensive menu for searching
- ✓ Lots of property options all over Estonia
- ✓ Well-known brand in Estonia
- ✓ Changing from flat to house to share house in the search field keeps user's inserted specification data, no need to fill the fields again
- ✓ Interesting additional data (yesterday's web site visitor number, real estate price statistics, dwelling lease contract downloadable sample)

Opportunities

- + New niches and market segments (e.g. possibility to sell/buy building materials)
- + Improved accessibility and upgraded website UI improves the UX and increases competitive edge
- + Mobile phone user interface is less distracting and clearer than computer user interface - to consider implementing this aspect to modify the website UI for computer users
- + User friendly approach is to have specified which field is incorrect: the username, password or both (at the moment it is said "username or password")

Weaknesses

- Does not have quick live-chat support
- Does not have the proper translation of all items and blocks of website into selected languages
- High prices to publish an advertisement
- Price calculator option is misleading (it doesn't calculate the price on the website, but sends your request to someone)
- Inconsistencies (in translation, lack of accessibility) decrease the trust towards the company and diminish the value of the brand
- Broadcasting news and the overall distracting UI is not sensory considering, neither is it considering users with affected ability to process information

Threats

- × Competition offers more accessible and appealing website
- × Broadcasting news can increase insecurities of potential clients and decrease the chance for the company to make a real estate deal



Thank You For Your Attention!