Yandex Translator Test Report

Version 1.0

Revision History

Date	Version	Description	Author
29.10.2018	1.0	Created	Topolov A.

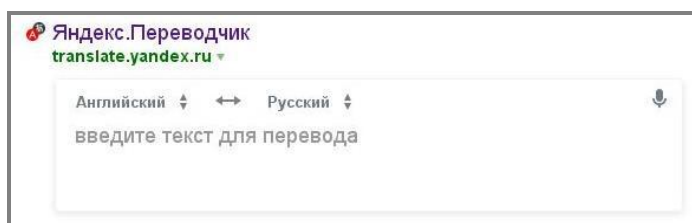# Table of Contents

1.   *Introduction*

1.1 Purpose

The purpose of this document is to describe and show the necessary and sufficient for a complete check of the number of test cases for the "Online Yandex translator", which appears on the request "online translator", limited to only the issue page for this request.

This document allows you to get an idea of testing and description of test cases created for current functionality.
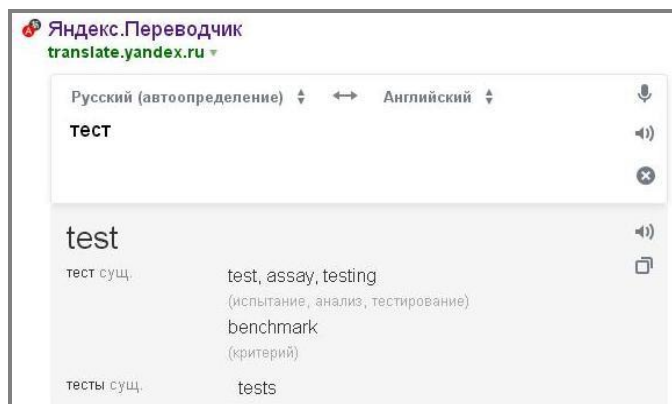
1.2 Functionality

Yandex.Translate is a service of automatic translation of words, phrases, whole texts, as well as web pages. The service uses the technology of machine translation developed in Yandex. At the moment, the service provides translation into 95 languages. The list of supported languages is constantly expanding.

Pic 1. Yandex Translator window

To translate texts, just select the language of the source text and the language into which the translation is required. Then type or paste the copied text in the box. The translation will be executed automatically and displayed below the input field.

Pic 2. Word translation
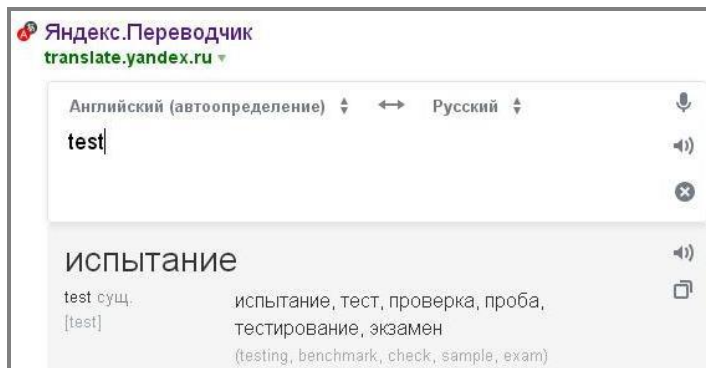
The service automatically determines the language of the source text. Simply start typing, and the system will automatically determine and install the desired language in the list of language selections. Translation is done automatically as you type. Translation update occurs when the service determines the end of a word.

The synchronic translation processes text up to 1000 characters long.

Pic.3 Automatic language determination

2. *Test Strategy*

According to the task it is needed to create necessary test cases for maximum testing of this functionality. Functional, cross-browser and usability testing will be conducted. The most popular language pairs will be checked. The work of the translator window will be tested in several web browsers using different screen resolutions, as well as different operating systems.

When verifying input data, such test design techniques as *equivalent classes* and *boundary values* were used.

3. *Cross-browser testing*

The functioning of the translator window that appears when you request an online translator will be tested in multiple web browsers using different screen resolutions as well as different OS.
The following are the percentages of screen resolutions, operating systems, and web browser usage by market as of September 2018.

Operational Systems: *Android (44,08 %), MS Windows 7 (27,48 %), MS Windows 10 (14,74%), iPhone (9,95 %).*
Screen Resolutions: *360x640 (20,73 %), 1366x768 (18,12 %), 1920x1080 (12,25%), 1280x1024 (6,31 %).*
Web Browsers: *Chrome (59,74 %), Yandex (13,08 %), Safari (12,91%), Firefox (7,63 %), Internet Explorer (3,88%).*

Test Environment	Result
Web browser: *Google Chrome 70.0.3538 (64-bit)* OS: *MS Windows 7, MS Windows 10* Screen resolution: *1366x768, 1920x1080, 1280x1024*	The translator window appears and functions according to the stated requirements.
Web browser: *Mozilla Firefox 62.0.2* OS: *MS Windows 7, MS Windows 10* Screen resolution: *1366x768, 1920x1080, 1280x1024*	The translator window appears and functions according to the stated requirements.
Web browser: *Yandex* OS: *MS Windows 7, MS Windows 10* Screen resolution: *1366x768, 1920x1080, 1280x1024*	The translator window appears and functions according to the stated requirements.
Web browser: *Safari* OS: M*acOS, iOS* Screen resolution: *1366x768, 1920x1080, 1280x1024*	The translator window appears and functions according to the stated requirements.

Web browser: *Internet Explorer 11* OS: *MS Windows 7, MS Windows 10* *Screen resolution: 1366x768, 1920x1080, 1280x1024*	The translator window appears and functions according to the stated requirements.
Web browser: *Internet Explorer 10* OS: *MS Windows 7, MS Windows 10* *Screen resolution: 1366x768, 1920x1080, 1280x1024*	The translator window does not appear after you enter "переводчик онлайн" in the search bar.

4. Test Cases

All test cases were performed in the following test environment:

OS: *MS Windows 7 64-bit*
Browser: *Google Chrome 70.0.3538*
Screen resolution: *1980x1020*

TC_01: Translation from Russian into English*.*   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	тест	The word is translated correctly: check	Pass

Postconditions: Delete data from the field.

TC_02: Translation from English into Russian*.*   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. English language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	check	The word is translated correctly: тест	Pass

Postconditions: Delete data from the field.

TC_03: Translation from Russian into German*.*   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is translated correctly: Überprüfung	Pass

Postconditions: Delete data from the field.

TC_04: Translation from German into Russian.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. German language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	Überprüfung	The word is translated correctly: проверка	Pass

Postconditions: Delete data from the field.

TC_05: Translation from Russian into French.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is translated correctly: vérification	Pass

Postconditions: Delete data from the field.

TC_06: Translation from French into Russian.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. French language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	vérification	The word is translated correctly: проверка	Pass

Postconditions: Delete data from the field.

TC_07: Translation from Russian into Spanish.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is translated correctly: comprobación	Pass

Postconditions: Delete data from the field.

TC_08: Translation from Spanish into Russian.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Spanish language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	comprobación	The word is translated correctly: проверка	Pass

Postconditions: Delete data from the field.

TC_09: Translation from Russian into Ukranian.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is translated correctly: перевірка	Pass

Postconditions: Delete data from the field.

TC_10: Translation from Ukranian into Russian.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Ukranian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	перевірка	The word is translated correctly: проверка	Pass

Postconditions: Delete data from the field.

TC_11: Undo an action with CTRL+Z.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field	Pass
2	Press CTRL+Z		The entered word canceled	Pass

Postconditions:

TC_12: Redo the canceled action with CTRL+SHIFT+Z.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field	Pass
2	Press CTRL+Z		The entered word canceled	Pass
3	Press CTRL+SHIFT+Z		The word appears in the field: проверка	Pass

Postconditions: Delete data from the field.

TC_13: Select the entered word with CTRL+A.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field	Pass
2	Press CTRL+A		The entered word selected	Pass

Postconditions: Delete data from the field.

TC_14: Copy the selected word with CTRL+C.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field	Pass
2	Press CTRL+A		The entered word selected	Pass
3	Press CTRL+C		The selected word is copied to the clipboard	Pass

Postconditions: Delete data from the field.

TC_15: Cut the selected word with CTRL+X.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field	Pass
2	Press CTRL+A		The entered word selected	Pass
3	Press CTRL+X		The selected word is cut to the clipboard	Pass

Postconditions:

TC_16: Paste the word from the clipboard with CTRL+V. Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field	Pass
2	Press CTRL+A		The entered word selected	Pass
3	Press CTRL+X		The selected word is cut to the clipboard	Pass
4	Press CTRL+V		The word appears in the field: проверка	Pass

Postconditions: Delete data from the field.

TC_17: Change the writing direction from left to right. Priority: **LOW**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field in the left side	Pass
2	Change to writing direction to "right to left" using the shortcut menu		The word appears on the right side of the input field	Pass

Postconditions: Delete data from the field.

TC_18: Change the writing direction from right to left. Priority: **LOW**

Preconditions: 1. Translation window is opened. 2. Russian language is selected. 3. Writing direction: Right

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field in the right side	Pass
2	Change to writing direction to "left to right" using the shortcut menu		The word appears on the left side of the input field	Pass

Postconditions: Delete data from the field.

TC_19: Delete the entered word using BACKSPACE.   Priority: **LOW**

Preconditions: 1. Translation window is opened. 2. Russian language is selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word in the input field	проверка	The word is entered to the field in the right side	Pass
2	Press and hold BACKSPACE until the word is deleted		The word is deleted from the field	Pass

Postconditions:

TC_20: Open the input language drop-down list.   Priority: **HIGH**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the input language list		Drop-down language list appears	Pass

Postconditions:

TC_21: Open the translation language drop-down list.   Priority: **HIGH**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the translation language list		Drop-down translation language list appears	Pass

Postconditions:

TC_22: Scroll the input language list down with the mouse wheel.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the input language list		Drop-down language list appears	Pass
2	Scroll down using the mouse wheel		The list scrolls down	Pass

Postconditions:

TC_23: Scroll the input language list up with the mouse wheel.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the input language list		Drop-down language list appears	Pass
2	Scroll up using the mouse wheel		The list scrolls up	Pass

Postconditions:

TC_24: Scroll the input language list down with the keyboard.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the input language list		Drop-down language list appears	Pass
2	Scroll down using the keyboard		The list scrolls down	Pass

Postconditions:

TC_25: Scroll the input language list up with the keyboard.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the input language list		Drop-down language list appears	Pass
2	Scroll up using the keyboard		The list scrolls down	Pass

Postconditions:

TC_26: Scroll the input language list down with scrollbar arrow.   Priority: **LOW**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the input language list		Drop-down language list appears	Pass
2	Scroll down using the scrollbar arrow		The list scrolls down	Pass

Postconditions:

TC_27: Scroll the input language list up with scrollbar arrow.   Priority: **LOW**

     Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the input language list		Drop-down language list appears	Pass
2	Scroll up using the scrollbar arrow		The list scrolls down	Pass

     Postconditions:

TC_28: Scroll the translated language list down with the mouse wheel.   Priority: **MEDIUM**

     Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the translated language list		Drop-down language list appears	Pass
2	Scroll down using the mouse wheel		The list scrolls down	Pass

     Postconditions:

TC_29: Scroll the translated language list up with the mouse wheel.   Priority: **MEDIUM**

     Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the translated language list		Drop-down language list appears	Pass
2	Scroll up using the mouse wheel		The list scrolls up	Pass

     Postconditions:

TC_30: Scroll the translated language list down with the keyboard.   Priority: **MEDIUM**

     Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the translated language list		Drop-down language list appears	Pass
2	Scroll down using the keyboard		The list scrolls down	Pass

     Postconditions:

TC_31: Scroll the translated language list up with the keyboard.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the translated language list		Drop-down language list appears	Pass
2	Scroll up using the keyboard		The list scrolls down	Pass

Postconditions:

TC_32: Scroll the translated language list down with scrollbar arrow.   Priority: **LOW**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the translated language list		Drop-down language list appears	Pass
2	Scroll down using the scrollbar arrow		The list scrolls down	Pass

Postconditions:

TC_33: Scroll the translated language list up with scrollbar arrow.   Priority: **LOW**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the translated language list		Drop-down language list appears	Pass
2	Scroll up using the scrollbar arrow		The list scrolls down	Pass

Postconditions:

TC_34: Change the language direction using the "Direction Change" button.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Russian – English translation selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on the "Direction Change" button		Language direction is changed to English - Russian	Pass

Postconditions:

TC_35: Voice playback of the entered word.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian – English translation selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word to the input field	проверка	The word appears in the field	Pass
2	Click on "Voice Playback" button		The entered word is played correctly	Pass

Postconditions: Delete data from the field.

TC_36: Voice playback of the translated word.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian – English translation selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word to the input field	проверка	The word appears in the field	Pass
2	Click on "Voice Playback" button of the translated word		The translated word is played correctly	Pass

Postconditions: Delete data from the field.

TC_37: Delete the entered word with "X" button.   Priority: **HIGH**

Preconditions: 1. Translation window is opened. 2. Russian – English translation selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word to the input field	проверка	The word appears in the field	Pass
2	Click on "X" button		The word is deleted from the field	Pass

Postconditions:

TC_38: Copy the translated word with interface "COPY" button.   Priority: **MEDIUM**

Preconditions: 1. Translation window is opened. 2. Russian – English translation selected.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Enter word to the input field	проверка	The word appears in the field	Pass
2	Press "COPY" button		The translated word is copied to the clipboard	Pass

Postconditions: Delete data from the field.

TC_39: Open Yandex Translator with the link in the window.   Priority: **LOW**

Preconditions: 1. Translation window is opened.

#	Step	Test Data	Expected Result	Pass / Fail / Blocked
1	Click on "translate.yandex.ru" link		Page "translate.yandex.ru" is opened	Pass

Postconditions:

5.   *Test Report*

In the process of testing, all 39 of 39 test cases were successfully completed. Such functionality as translation into various languages, the use of hot keys and the use of user interface buttons were tested.

Below is a detailed table with a description of all test cases and attached charts for a clearer look at the process of test case creation.

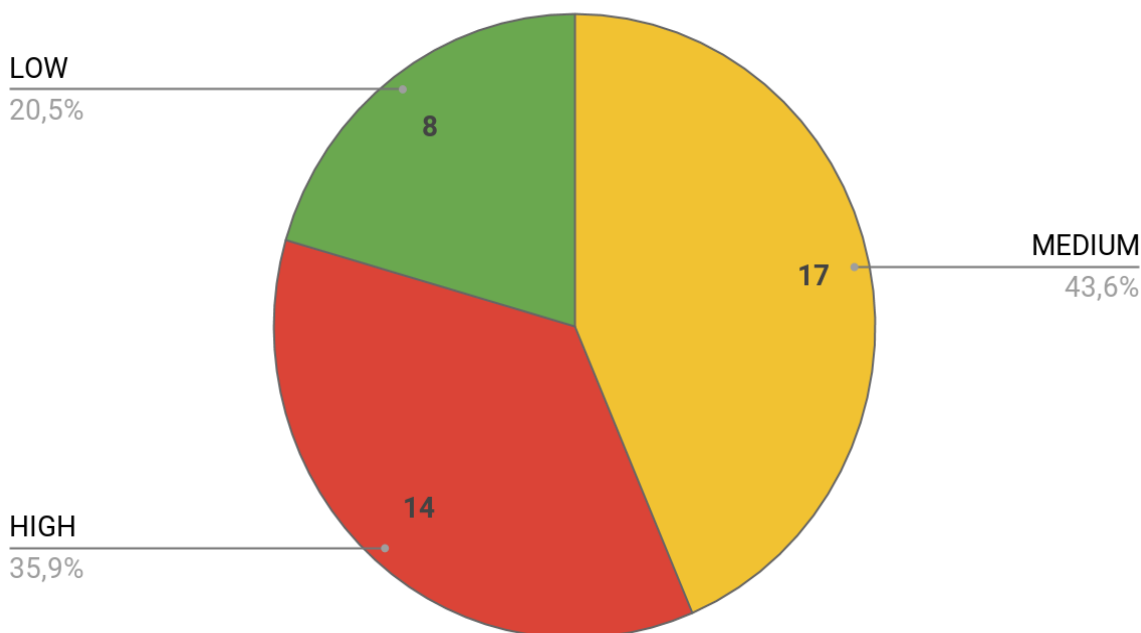| #	TC ID	Description	Status	Priority
1	TC_01	Translation from Russian into English	PASS	HIGH
2	TC_02	Translation from English into Russian	PASS	HIGH
3	TC_03	Translation from Russian into German	PASS	HIGH
4	TC_04	Translation from German into Russian	PASS	HIGH
5	TC_05	Translation from Russian into French	PASS	HIGH
6	TC_06	Translation from French into Russian	PASS	HIGH
7	TC_07	Translation from Russian into Spanish	PASS	HIGH
8	TC_08	Translation from Spanish into Russian	PASS	HIGH
9	TC_09	Translation from Russian into Ukranian	PASS	HIGH
10	TC_10	Translation from Ukranian into Russian	PASS	HIGH
11	TC_11	Undo an action with CTRL+Z	PASS	MEDIUM
12	TC_12	Redo the canceled action with CTRL+SHIFT+Z	PASS	MEDIUM
13	TC_13	Select the entered word with CTRL+A	PASS	MEDIUM
14	TC_14	Copy the selected word with CTRL+C	PASS	MEDIUM
15	TC_15	Cut the selected word with CTRL+X	PASS	MEDIUM
16	TC_16	Paste the word from the clipboard with CTRL+V	PASS	MEDIUM
17	TC_17	Change the writing direction from left to right	PASS	MEDIUM
18	TC_18	Change the writing direction from right to left	PASS	LOW
19	TC_19	Delete the entered word using BACKSPACE	PASS	LOW
20	TC_20	Open the input language drop-down list	PASS	LOW
21	TC_21	Open the translation language drop-down list	PASS	HIGH
22	TC_22	Scroll the input language list down with the mouse wheel	PASS	HIGH
23	TC_23	Scroll the input language list up with the mouse wheel	PASS	MEDIUM
24	TC_24	Scroll the input language list down with the keyboard	PASS	MEDIUM
25	TC_25	Scroll the input language list up with the keyboard	PASS	MEDIUM
26	TC_26	Scroll the input language list down with scrollbar arrow	PASS	MEDIUM
27	TC_27	Scroll the input language list up with scrollbar arrow	PASS	LOW
28	TC_28	Scroll the translated language list down with the mouse wheel	PASS	LOW
29	TC_29	Scroll the translated language list up with the mouse wheel	PASS	MEDIUM

#	TC ID	Description	Status	Priority
30	TC_30	Scroll the translated language list down with the keyboard	PASS	MEDIUM
31	TC_31	Scroll the translated language list up with the keyboard	PASS	MEDIUM
32	TC_32	Scroll the translated language list down with scrollbar arrow	PASS	MEDIUM
33	TC_33	Scroll the translated language list up with scrollbar arrow	PASS	LOW
34	TC_34	Change the language direction using the "Direction Change" button	PASS	HIGH
35	TC_35	Voice playback of the entered word	PASS	MEDIUM
36	TC_36	Voice playback of the translated word	PASS	MEDIUM
37	TC_37	Delete the entered word with "X" button	PASS	HIGH
38	TC_38	Copy the translated word with interface "COPY" button	PASS	MEDIUM
39	TC_39	Open Yandex Translator with the link in the window	PASS	LOW

Diagram:

Test Cases Priority

LOW
20,5%
8

MEDIUM
43,6%
17

HIGH
35,9%
14

6.   Conclusion

Based on the assignment, the main functionality was fully tested for compliance with the requirements. All the main functions of the abbreviated window of the Yandex translator work stably. No defects were detected.