Test Case ID	TC-01
Summary	Verify that the user can select 'Sinhala' language from the right pane
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - The 'Text' button is automatically selected. - The cursor is placed in the 'Detected language' text area
Steps	Expected Results
Navigate to the 'English' tab in the left-pane	The user should be able to click on the 'English' tab.
Verify the right-pane	- The 'English' tab is selected by default. - The text 'Translation' is displayed in the disabled text area
Click on the dropdown icon button in the right pane	- A list of multiple languages loads - A search text area is displayed.
Type 'Sinhala' in the search text area	- The user should be able to type in the search text area. - A single value, 'Sinhala,' is displayed in the dropdown list
Select the 'Sinhala' option from the dropdown list	- The first tab in the right pane is selected as 'Sinhala.' - Focus goes to the 'Sinhala' tab

Test Case ID	TC-02
Summary	Verify the elements on the Google Translate web page.
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com
Steps	Expected Results
Verify the buttons in the top left corner	- The following buttons are displayed in this order with respective images: - Text - Images - Documents - Websites - The Text button is selected by default
Verify the left pane buttons	- There are 5 buttons on top of the text area as follows: - Detect language - English - Spanish - French - Drop down button. - Detect language is selected by default
Click on the dropdown button in the left pane	- The language dropdown list appears with the following elements: - Dropdown values in multiple columns - Close arrow button **Search language** text area. Dropdown values are ordered alphabetically
Click on the text area in the left pane	The cursor appears as a blinking vertical bar.
Verify the buttons in the text area	- The following icon buttons are displayed: - Microphone - Character count indicator

	○ Handwriting icon button
Move the cursor to the swap language icon button	● A tooltip is displayed as 'Swap languages (Cmd+Shift+S)'. ● The swap language icon button is in disabled mode

Verify the right pane buttons	● Buttons/Tabs are displayed in the following order:
	  ○ English
	  ○ Spanish
	  ○ Arabic
	  ○ Dropdown button
	Focus goes to the 'English' button.

Verify the text area	● The colour is grey ● it is in disabled mode, ● The label is displayed as 'Translation'.

Click on the dropdown button in the right pane	● The language dropdown list appears with the following elements:
	  ○ dropdown values in multiple columns
	  ○ Close arrow button
	  ○ Search language text area.

Verify the middle two icon buttons	● The history icon button displays the label 'History' and the respective image. ● The saved icon button displays the label 'Saved' and the respective image.

Select 'English' from the left pane and type a word	● Left pane text area:
	  ○ The **microphone** icon button is enabled
	  ○ The **Listen** icon button is enabled
	  ○ **Virtual keyboard** button displays with dropdown
	● Right pane text area:
	  ● The **Listen** icon button is enabled
	  ● The **save translation** icon button appears in the top right corner
	  ● The **copy translation** icon button enabled
	  ● Rate this translation icon button enabled

	● **Share translation** icon button enabled.

Test Case ID	TC-03
Summary	Verify that a user can translate a single word from English to Sinhala
Pre-conditions	● The user has opened the Chrome/Safari browser ● The user has navigated to https://translate.google.com ● The user has selected English from the left pane. ● The user has selected Sinhala from the right pane
Steps	Expected Results
Navigate to the 'English' tab in the left-pane text area	The user should be able to click on the 'English' tab.
Type the word 'Where' in the left pane text area	The user should see the translated word 'කොහෙද' in the right-pane text area.

Test Case ID	TC-04
Summary	Verify that the user can clear added text using the close button
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - The user has selected 'English' from the left pane language options. - The user has selected 'Sinhala' from the right pane language options
Steps	Expected Results
Navigate to the 'English' tab in the left-pane text area	The user should be able to click on the 'English' tab.
Type the text 'Where' in the left text area	The user should be able to type the word 'Where' in the left text area.
Move the cursor over the close button (x) in the top left of the left text area	Users can see the 'Clear source text' tooltip.
Click on the close button	The text should be cleared from both the left and right text areas

Test Case ID	TC-05
Summary	Users can clear added text using the delete button.
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - User has selected English from the left side. - User has selected Sinhala from the right side
Steps	Expected Results
Navigate to the 'English' tab in the left pane text area	The user should be able to click on the 'English' tab.
Type the text 'Where' in the left text area	The user should be able to type the word 'Where'
Delete the entered word using the delete button	The text should be cleared from both the left and right text areas.

Test Case ID	TC-06
Summary	Verify that the user can enter text using the microphone icon button
Pre-conditions	● The user has opened the Chrome/Safari browser ● The user has navigated to https://translate.google.com ● The user has selected English from the left pane ● The user has selected Sinhala from the right pane
Steps	Expected Results
Navigate to the 'English' tab in the left pane text area	The user should be able to click on the 'English' tab.
Move the cursor over the microphone button in the left pane text area	A tooltip should display with the text 'Translate by voice'.

Click on the microphone button	● A pop-up should appear with the following details:
	  ○ a highlighted header **'translate.google.com wants to'**
	  ○ Text '(microphone icon) use your microphone'
	  ○ Buttons: 'Block' and 'Allow'.

Click on the 'Allow' button in the pop-up	● The pop-up should disappear ● The left pane text area should be disabled ● The text area should update with the words 'Speak now', ● The microphone button should change to a 'Stop' button in the text area.
Say the word 'where' using the microphone	The left-pane text area should be updated with the English word 'where'.
Click on the 'Stop' button	The right pane text area should update with the translated value 'කොහෙද'.

Test Case ID	TC-07
Summary	Verify that the user can listen to the pronunciation of entered and translated words
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - The user has selected 'English' from the left side. - The user has selected 'Sinhala' from the right side. - The user has entered the English word 'Where' in the left pane text area.
Steps	Expected Results
Move the cursor over the speaker icon in the left pane	Tooltip appears with the text 'Listen'.
Click on the speaker button in the left pane text area	Users can hear the pronunciation of the entered word 'Where'.
Click on the speaker button in the right pane text area	Users can hear the pronunciation of the translated word in Sinhala.

Test Case ID	TC-08
Summary	Verify that the user can enter a misspelt word in the left pane text area and check the behaviour of the translation
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - The user has selected 'English' from the left pane language options. - The user has selected 'Sinhala' from the right pane language options.
Steps	Expected Results
Enter the misspelt English word "testesttes" in the left pane text area	- The entered word testesttes is displayed in the left pane text area. - The right pane text area displays the same English text testesttes - it is not translated into Sinhala.

Test Case ID	TC-09
Summary	Verify that the user can translate a sentence from English to Sinhala.
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - The user has selected 'English' from the left pane language dropdown. - The user has selected 'Sinhala' from the right pane language dropdown.
Steps	Expected Results
Enter the English sentence "Who are you" in the left pane text area	The translated Sinhala text "ඔයා කවුද" should be displayed in the right pane text area.

Test Case ID	TC-10
Summary	Verify that the user can translate a sentence containing numbers from English to Sinhala.
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - The user has selected **English** as the source language on the left side. - The user has selected **Sinhala** as the target language on the right side.
Steps	Expected Results
Enter the English sentence: 'I'm 6 feet tall' in the left pane text area	The translated Sinhala text should be displayed as 'මම අඩි 6ක් උසයි' in the right pane text area.

Test Case ID	TC-11
Summary	Verify that the user can use the handwriting method to enter text.
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - User has selected the 'Detect language' button on the left side. - User has selected 'Sinhala' from the right pane
Steps	Expected Results
Select the 'Detect language' button on the left side	The focus should shift to the left pane text area.
Move the cursor to the pencil icon in the bottom right of the left pane text area	A tooltip should display with the text 'Turn on handwriting.'
Click on the pencil icon	The handwriting input area (drawing pop-up) should appear.
Draw the text 'world' in the drawing area	Suggestions for the text should appear at the

	bottom of the drawing pop-up
Click on the enter button in the drawing pop-up	The drawn text should be removed from the drawing dialog and appear in the left pane text area.
Close the drawing pop-up	The translated text should be visible in the right pane text area.

Test Case ID	TC-12
Summary	Verify that the user can enter up to 5000 characters in the text area.
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - User has selected English from the left pane text area. - User has selected Sinhala from the right pane text area.
Steps	Expected Results
Enter the text 'house' in the left pane text area	The character count displayed in the bottom right corner should be 5/5000.
Repeat step 1 multiple times with spaces between each word	- The character count should increase accordingly. - A scrollbar should appear in the text area as the text exceeds the visible area.
Enter up to 5000 characters	The character count displayed should be 5000/5000
Try to add one more character beyond 5000	The user should not be allowed to add more than 5000 characters. A notification bar should appear with the following details: **Text**: "5000 character limit. Use arrows to translate more." **Buttons**: Next (>), Previous (<), and Done. **Background Color**: Blue.

	● **Text Color**: White.

Test Case ID	TC-13
Summary	Verify the enabling and disabling of buttons based on language selection.
Pre-conditions	● The user has opened the Chrome/Safari browser ● The user has navigated to https://translate.google.com
Steps	Expected Results
Select the 'Detect language' button on the left pane	● The 'Microphone' button is disabled. ● The 'Pencil' button is enabled. ● The 'Swap languages' button is disabled.
Select the 'English' button on the left pane	● The 'Microphone' button is enabled. ● The 'Pencil' button is replaced with the virtual keyboard button. ● The 'Swap languages' button is enabled.

Test Case ID	TC-14
Summary	Verify that the user can swap languages between the left and right panes
Pre-conditions	● The user has opened the Chrome/Safari browser ● The user has navigated to https://translate.google.com ● The left pane should have 4 tabs in the following order: 　○ Detect Language 　○ English 　○ Spanish 　○ French with a focus on the English tab ● The right pane should have 3 tabs in the following order: 　○ Sinhala

	○ English
	○ Spanish
	with a focus on Sinhala.
	● The user should select English from the left side.
	● The user should select Sinhala from the right side.

Steps	Expected Results
Click on the 'Swap languages' button	● **Left Panel**: Updates to the following order: ○ Detect Language ○ Sinhala ○ English ○ Spanish The focus moves to Sinhala. Tab ● **Right Panel**: Updates to the following order: ○ Sinhala ○ English ○ Spanish Focus moves to English.
Click on the 'Swap languages' button again	● **Left Panel**: Returns to the original order with a focus on the English tab ○ Detect Language ○ English ○ Spanish ○ French ○ ○ **Right Panel**: Returns to the original order with a focus on Sinhala tab ● Sinhala ● English ● Spanish

Test Case ID	TC-15
Summary	Verify that the user can use the virtual keyboard to enter text.
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - The user has selected 'English' from the left pane language panel. - User has selected 'Sinhala' from the right pane language panel.
Steps	Expected Results

Test Case ID	TC-16
Summary	Verify that the user can input text using the virtual keyboard
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - User has selected 'English' from the left pane language panel. - User has selected 'Sinhala' from the right pane language panel.
Steps	Expected Results
Move the cursor over the 'virtual keyboard' icon.	A tooltip with the text 'Turn on Virtual Keyboard' is displayed.
Move the cursor over the dropdown button next to the 'virtual keyboard' icon.	A tooltip with the text 'Select Input Tool' is displayed.
Click on the 'dropdown' button next to the 'virtual keyboard' icon.	A list of options is displayed: - English - English - DVORAK

	● English - Handwrite
Select the 'English' option	The English keyboard pop up appears
Enter a word using the virtual keyboard	The user can see the Sinhala translation

Test Case ID	TC-17
Summary	Verify the behaviour of special characters when translating text from English to Sinhala
Pre-conditions	● The user has opened the Chrome/Safari browser ● The user has navigated to https://translate.google.com ● The user has selected 'English' as the source language in the left pane pane. ● The user has selected 'Sinhala' as the target language in the right pane pane.
Steps	Expected Results
Type the sentence: Good morning! where are you going today?	The text is translated into Sinhala as: සුබ උදෑසනක්! ඔයා අද කොහෙද යන්නේ?

Test Case ID	TC-18
Summary	Verify the translation from English to Sinhala using handwritten input
Pre-conditions	● The user has opened the Chrome/Safari browser ● The user has navigated to https://translate.google.com ● The user has selected 'Sinhala' from the left pane language panel. ● The user has selected 'English' from the right pane language panel.

Steps	Expected Results
Select the 'Sinhala - Handwrite' option from the left pane	The handwriting input area for Sinhala is displayed.
Draw the word 'නිවස' in the handwriting input area	The English translation should display 'the house' in the right pane.
Draw the phrase 'නිවස තුල' in the handwriting input area	The English translation should display 'in the house' in the right pane.

Test Case ID	TC-19
Summary	Verify the "Detect Language" feature in Google Translate
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - The focus is on the 'Detect language' button by default.
Steps	Expected Results
Type the text 'Noun' in the left pane text area	The 'Detect language' text should be replaced with 'English - Detected'.
Type the text 'සුබ උදෑසනක්' in the left pane text area.	The 'Detect language' text should be replaced with 'Sinhala - Detected'.

Test Case ID	TC-20
Summary	Verify the behaviour of saving a translation
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - User has selected 'English' from the left side. - The user has selected 'Sinhala' from the right side.
Steps	Expected Results

Type the text 'Noun' in the left pane text area	The translation should display as 'නාම පදය' in the right pane text area.
Move the cursor over the 'star' icon button in the right pane text area	A tooltip should display as 'Save translation.'
Click on the 'star' icon button	The icon colour should change to orange, indicating the translation is saved.
Move the cursor over the 'star' icon button in the right pane text area	The tooltip should now display as 'Remove from saved.'
Click on the 'star' icon button (Saved button) in the middle of the screen	A new panel should appear displaying 'Saved' translation details in right side of the web page

Test Case ID	TC-21
Summary	Verify the functionality of the 'History' icon button on Google Translate
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - User has selected 'English' from the left pane language options. - The user has selected 'Sinhala' from the right pane language options.
Steps	Expected Results
Type the text 'Noun' into the left pane text area	The translation should be displayed as 'නාම පදය' in the right pane text area.
Click on the 'History' icon button	A new panel should appear, displaying the history details of recent translations.

Test Case ID	TC-22
Summary	Verify the image translation functionality.
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com

	● User has selected 'English' as the source language from the left side. ● The user has selected 'Sinhala' as the target language from the right side.
Steps	Expected Results
Click on the 'Images' button	● **Left Pane**: Displays options for image upload including the "Drag and drop" area. ● **Right Pane**: Displays options for image upload including "Browse your files" and "Paste from clipboard".
Drag and drop an image containing English text into the left pane.	● The English text in the image is extracted and translated into Sinhala. ● Options for "Copy text" and "Download translation" appear in the right pane.

Test Case ID	TC-23
Summary	Verify the document translation functionality.
Pre-conditions	● The user has opened the Chrome/Safari browser ● The user has navigated to https://translate.google.com ● User has selected 'English' from the left side. ● User has selected 'Sinhala' from the right side.
Steps	Expected Results
Click on the 'Documents' button	● **Left Pane**: Displays a drag-and-drop area for document uploads. ● **Right Pane**: Displays a 'Browse your files' button.
Click on the 'Browse your files' button.	A file picker dialog appears allowing the user to select a file.
Browse and select a PDF file containing English text.	● The selected PDF file is attached. ● A 'Translate' button appears with the

	attached PDF file.

Test Case ID	TC-24
Summary	Verify translation behaviour when an extra letter is appended to the end of a text
Pre-conditions	- The user has opened the Chrome/Safari browser - The user has navigated to https://translate.google.com - User has selected 'English' from the left side. - User has selected 'Sinhala' from the right side.
Steps	Expected Results
Type 'who' in the text area and observe the translation area	Translated result display as 'කවුද'
Append one of the following letters individually to the end of the text: 'R', 'l', 'e', 'x'.	- After appending each letter ('R', 'l', 'e', 'x'), the translation should not change to Sinhala - The English text with the appended letter should be displayed as is, without translation