Test Plan – Google Translate (Text Translation)

Target Release	Project Google Translate - Text
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Status	In Progress
Reviewer	Ravi Mohan

1.   Overview

This document outlines the testing approach for the web application "Google Translate". The primary objective of this project is to verify Google Translate's functionality, usability and reliability in the context of text translation between languages. The scope of this project is limited to translation between English, Sinhala and Tamil as specified in the user requirements. The aim is to ensure that google translate's user interface functions properly and basic user interactions such as the copy, swap and clear work as expected.

2.   Scope

- **In Scope**
  - Text input translation between English, Sinhala and Tamil language words, sentence combinations
  - Use of short words, short sentences, long sentences and paragraphs
  - Positive , Negative and edge test scenarios
  - Functionality of user interface such as - text input field, text output field, swap language, copy translation, clear text
  - Browser compatibility testing for commonly used browsers such as Google Chrome, Mozilla Firefox and Microsoft Edge

- **Out of Scope**
  - Image Translation
  - Document Translation
  - Website Translation
  - Voice input translation
  - Languages other than english, sinhala and tamil
  - Mobile App Testing - Only web browser version is tested
  - Automation and Performance Testing

3. Test Approach

3.1. Approach

Test Type	Type of Execution	Coverage	High level Test Approach
Functional Testing	Manual	Translation of words, sentences and paragraphs in all 3 languages English, Sinhala and Tamil	-Verify that text input produces correct output translation -Verify basic user interactions swap, clear and copy work as expected
Usability Testing	Manual	Text input field, Text output field, close, copy buttons, UI responsiveness	-Verify user interface is accessible, buttons are clickable, output is readable -Verify workflow is functioning smoothly -Verify UI elements are visible and responsive to different screen sizes and browsers
Negative/ Edge Testing	Manual	Long text input, input with special character and unsupported symbols	-Verify text having maximum character length -Verify invalid input
Cross Browser Testing	Manual	Testing using multiple browsers such as Edge, Firefox and Chrome latest stable versions	-Verify that text input and output text are consistent across all browsers -Verify user interface and interactions are consistent across all browsers

3.2. Test Data

All test data used for this project is listed in this attached document
📄 Test Data - Google Translate

3.3. Test Environment and Setup

Component	Version/Purpose
Google Chrome	Latest stable version - primary browser for testing
Mozilla Firefox	Latest stable version - cross browser testing
Microsoft Edge	Latest stable version - cross browser testing
OS	Windows 10 or above
Internet connection	Stable internet connection - For web access

4.   Test Deliverables

- Test Plan
- Test Cases Document
- Bug Report
- Test Summary Report

5.   Risks and Assumptions

5.1.   Risks

- Network connection issues may have on impact on the speed and accuracy of the output result
- Translations may change due to difference in translation display between browsers
- Extreme long texts may not fully translated or UI issues can be occurred

5.2.   Assumptions

- Testing is limited to text translations only between English, Tamil and Sinhala languages.
- Other features such as voice input, images, document and website translation are stated as out of scope
- All tests will be executed manually, no automation testing is involved
- All browsers used for testing contain latest stable versions on windows 10 or above
- Google translate web page is accessible and available during testing period