

1. Introduction

1.1 Purpose:

This test plan ensures the overall quality of Google Translate, focusing on its functionality to translate text between Sinhala and English.

Overview: Google Translate is a web-based application that provides translation services between various languages.

1.2 Scope:

This testing plan will cover the following:

- **Accuracy:** Validate the correctness and meaningfulness of translations between Sinhala and English.
- **Usability:** Ensure the application is user-friendly and accessible.

Features to be Tested:

- Text-to-text translation between Sinhala and English.
- Input methods such as text entry, voice input, and handwriting.
- Output methods such as text, voice, image, documents
- UI elements and their functionalities (e.g., buttons, tooltips, text area,).
- Copy translated text function
- Image-to-image translation
- Documents to document translation
- Input character limitation function
- Swap languages function
- Auto detecting language function
- View translation history function
- Saved translation function
- Input text including letters, numbers and special characters

Features Not to be Tested:

- Additional languages except Sinhala and English.
- Web URL translation

Limitations

- Verification is performed only for a few words and sentences in Sinhala and English language
- Verified only for Chrome and Safari browsers and MacBook Pro machine
- All the special characters are not included in test cases
- Input and output voice functionalities are tested using the machine's default speakers and microphone

1.3 Resources:

- **Testers:** QA team members.
- **Tools:**
 - Browsers (Chrome, Safari)
 - Google Translate application
 - Laptop microphone
- **Test Environment:** Web browser (Chrome).

1.4 Testing Types:

- Functional Testing
- Usability Testing

1.5 Testing Techniques:

- Boundary value analysis
- Negative scenarios testing
- Input validation testing

1.6 Test Environment:

- **Google Translate Website:** <https://translate.google.com/>
- **Test Browsers:** Chrome , Safari
 - Chrome version : Version 126.0.6478.127
 - Safari version : Version 17.5 (19618.2.12.11.6)
- **Platforms:** macOS (MacBook Pro M2)

1.7 Test Schedule

- **Start Date:** [16/07/2024]
- **End Date:** [17/07/2024]

1.8 Resources

- **Tools:** Browser developer tools
- **Personnel:** QA Engineer

1.9 Risks and Mitigation

- **Potential Risks:**
 - Unavailability of the internet.
 - Browser compatibility issues.
 - Browser can be auto update during the test
- **Mitigation Strategies:**
 - Use multiple browsers to verify compatibility.
 - Ensure a stable internet connection.
 - Turn off auto update browsers

2.0 Entry and Exit Criteria

Entry Criteria:

- Browser need to installed properly in the testing machine
- Test cases designed and reviewed.

Exit Criteria:

- All planned tests executed.
- All critical and blockers are identified and fixed

2.1 Deliverables

- Test Plan Document
- Test Case Document
- Bug Report
- Test Summary Report