Test Plan Document

Udula Weerasinghe

1. **Introduction**

This document outlines the test plan for the Google Translate functionality between Sinhala, Tamil, and English. The objective is to ensure the translation quality, accuracy, and performance of the tool.

1. **Scope**

The testing will cover the following functionalities:

* Translation from Sinhala to English
* Translation from Tamil to English
* Translation from English to Sinhala
* Translation from English to Tamil
* Translation from Sinhala to Tamil
* Translation from Tamil to Sinhala

The following areas are out of scope:

* Translations between other language pairs not specified above
* Mobile application-specific functionalities

1. **Test Objectives**

 Verify the translation accuracy from Sinhala to English.

 Verify the translation accuracy from Tamil to English.

 Verify the translation accuracy from English to Sinhala.

 Verify the translation accuracy from English to Tamil.

 Verify the translation accuracy from Sinhala to Tamil.

 Verify the translation accuracy from Tamil to Sinhala.

 Ensure that translations are performed within acceptable time limits.

 Confirm that the user interface is functioning as expected during translation operations.

1. **Resources**

 **Personnel**: QA Engineer

 **Tools**: Google Translate, Web browser (Chrome/Firefox), Test Management Tool (e.g., Excel)

 **Environment**: Stable internet connection, Test machine with required software installed

1. **Schedule**

 **Test Planning**: 1 day

 **Test Design**: 2 days

 **Test Execution**: 2 day

 **Documentation**: 2 days

 **Total Duration**: 2 days

1. **Risk Management**

 **Potential Risks**: Unavailability of the Google Translate service, Network issues, Incomplete test data , Server Down time , Compatability

 **Mitigation Strategies**: Backup test data, Scheduled testing during off-peak hours

1. **Test Coverage**

* UI/Usability testing
* Smoke Testing
* Functionality Testing
* Regression Testing
* Performance Testing

1. **Entry and Exit Criteria**

 **Entry Criteria**: All test environments are set up, Test data is ready, Google Translate service is accessible.

 **Exit Criteria**: All planned tests are executed, All critical and major bugs are resolved, Test summary report is completed.