**Detailed Test Plan**

**Google Translate Application**

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# Overview

The Google Translate app allows users to translate text, speech, and images across multiple languages. This test plan aims to validate the app's functionalities, user interface, and overall user experience.

# Scope

The test plan covers the following features:

* Text translation
* Offline translation
* Language detection
* Language switching
* User interface and usability
* Compatibility across devices and operating systems
* Performance and reliability

# Roles and Responsibilities

| **Role** | **Name** | **Email/ Telephone** | **Organization** |
| --- | --- | --- | --- |
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# Testing Approach

## Types of Testing

* Functional Testing: Validate core functionalities.
* Usability Testing: Assess user experience and ease of use.
* Performance Testing: Verify application perform when switching languages rapidly.

## Test Environment

* Devices: Laptop
* Operating Systems: Windows 11
* Network Conditions: SLT Wi-Fi
* Browser: Chrome
* Browser Version: Version 123.0.6312.107 (Official Build) (64-bit)

# Test Cases

## Text Translation

* Test translation from one language to another.
* Test reverse translation (back to the original language).
* Test translation with punctuation and special characters.
* Test language detection with mixed-language input.

## Offline Translation

* Test offline translation for supported languages.
* Test offline translation in airplane mode.

User Interface and Usability

* Test app navigation and layout.

# Test Schedule

* 3 days (19/04/24- 22/04/24)

# Test Resources

* Windows 11 Laptop

# Test Deliverables

* Test Plan
* Test Cases
* Bug Reports
* Test summary report.

# Test Reporting and Documentation

Detail the process for reporting test results and tracking defects. Included the information on the format of test reports, the defect tracking system used, and the frequency of test status updates.

# Acceptance Criteria

Define the criteria for considering the app ready for release, such as a specific number of passed test cases, resolution of critical defects, and successful completion of regression testing.