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Test Plan Document for Google translate application

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**Objective**

In order for validate the multiple functionalities in google translate page by including different languages, different input methods (text, images voice) to enhance better user experience.

**Functionalities need to Verify**

1. Text to text translation (for different languages)
2. Voice to text translation (for different languages)
3. Images to test translation
4. Useability (compatibility)
5. Performance (response time)

**Functionalities not to be Verify**

1. Backend verification for user inputs
2. Database verification

**Test strategy**

1. Manual testing: Perform manual testing for validate UI (Use traceability matrix for validate different input methods)
2. API testing: Perform API testing for validate the response time of the UI
3. Cross browser testing: Perform cross browser testing to detect the system/ page behavior in different browsers.

**Test environments**

Web: chrome, edge, fire fox browsers

OS: windows

1. Dev environment ( to perform unit testing )
2. QA test environment ( to perform QA testing )
3. UAT environment ( to perform UAT before release to production)

**Testing Tools**

1. API testing : POSTman
2. Cross browser testing: chrome, Firefox and edge
3. UI testing: chrome or edge

**High level Test scenarios**

1. Verify that language translation functionality based on the user selection
2. Verify that the voice to text translation functionality based on the user selection
3. Verify that the image to text translation functionality based on the user selection
4. Verify that the cross-browser compatibility functionality
5. Verify that the input method functionality

**Entry and exit criteria**

**Entry criteria**

1. Detailed test cases with clear user requirement
2. Test and UAT environments are ready to perform testing
3. All the hardware and software are up to date and ready
4. Availability of team members (both QA and dev members who responsible for feature)

**Exit criteria**

1. Smoke test suite’s test cases are passed
2. No more critical, major or blocked defects
3. No more clarification points
4. UAT / QA sign offs