```
                      ┌──────────────────┐
                      │ User hovers the  │
                      │ mouse over a     │
                      │ text on a        │
                      │ website         │
                      └──────────────────┘

                      ┌──────────────────┐
                      │ TACA detects     │
                      │ text            │
                      └──────────────────┘

                      ┌──────────────────┐
                      │ Send text data   │
                      │ to API          │
                      └──────────────────┘

                      ┌──────────────────┐
                      │ Translation API  │
                      │ returns the      │
                      │ translated       │
                      │ sentence text    │
                      └──────────────────┘
```

START

No display if source and target languages are same

Is the user viewing a PDF file?

No → Is the source and target language the same?

Yes → No display if source and target languages are same

No → TACA displays the translated text in a pop-over tooltip

Yes (from "Is the user viewing a PDF file?")

Is the source and target language the same?

Yes → No display if source and target languages are same

No → Redirects the PDF URL to a mouse tooltip PDF.js page for viewing and translation

TACA receives the translated text along with the language detection data from the translation API

TACA receives the translated text along with the language detection data from the translation API

TACA automatically detects the source language and filters out known languages

End

· User hovers the mouse over a text on a website.
· TACA automatically detects the text and gathers nearby words to form a sentence.
· TACA sends the sentence text to the selected translation API (Google Translate, Bing Translator, or Papago Translator)
· The translation API returns the translated sentence text.
· TACA displays the translated text in a pop-over tooltip without requiring any additional action from the user
· If the user is viewing a PDF file, TACA redirects the PDF URL to a mouse tooltip PDF.js page for viewing and translation
· TACA receives the translated text along with the language detection data from the translation API
· TACA automatically detects the source language and filters out known languages to ensure a clear website experience.
· TACA decides whether to display the translated tooltip or not based on the source and target languages to minimize disruption to the website experience.