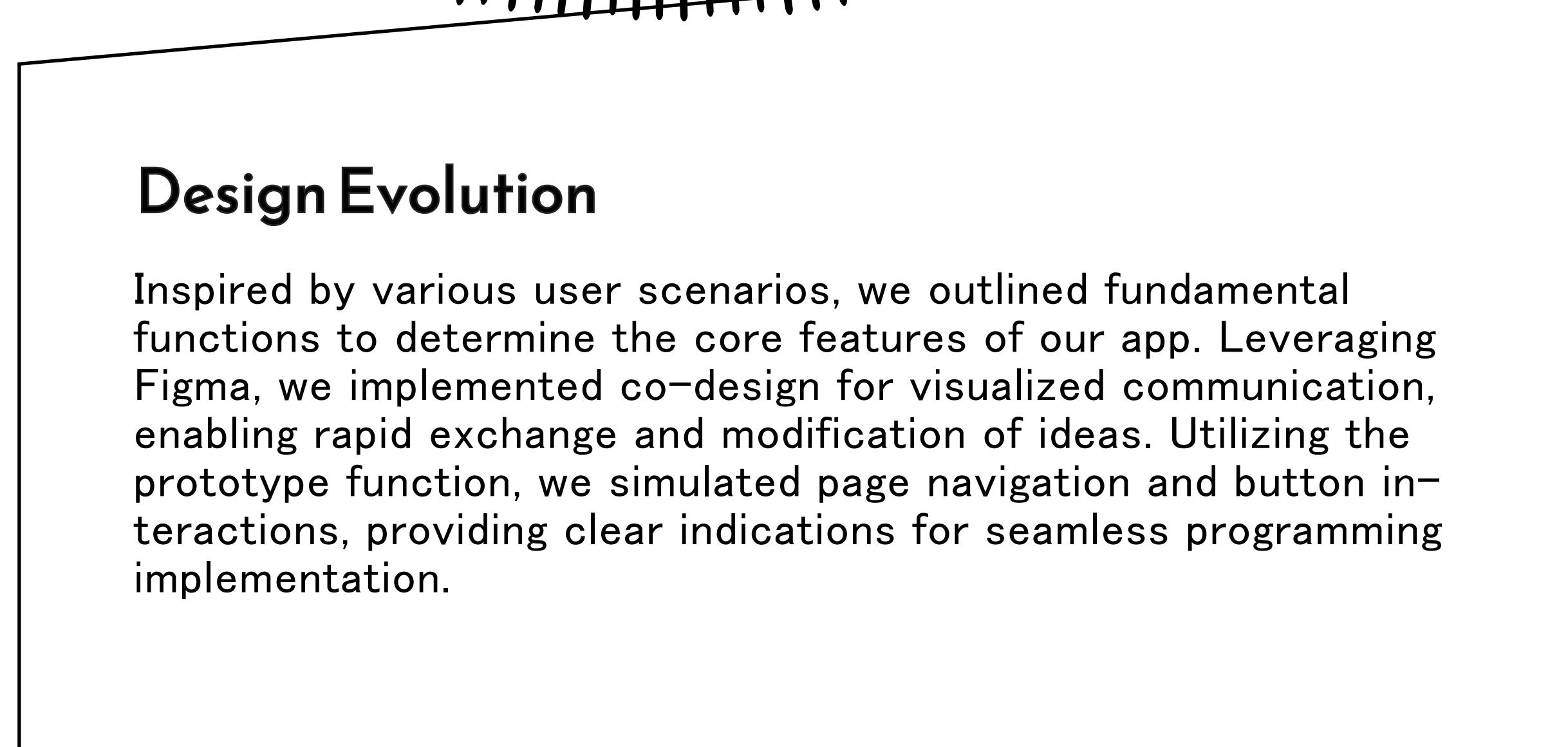
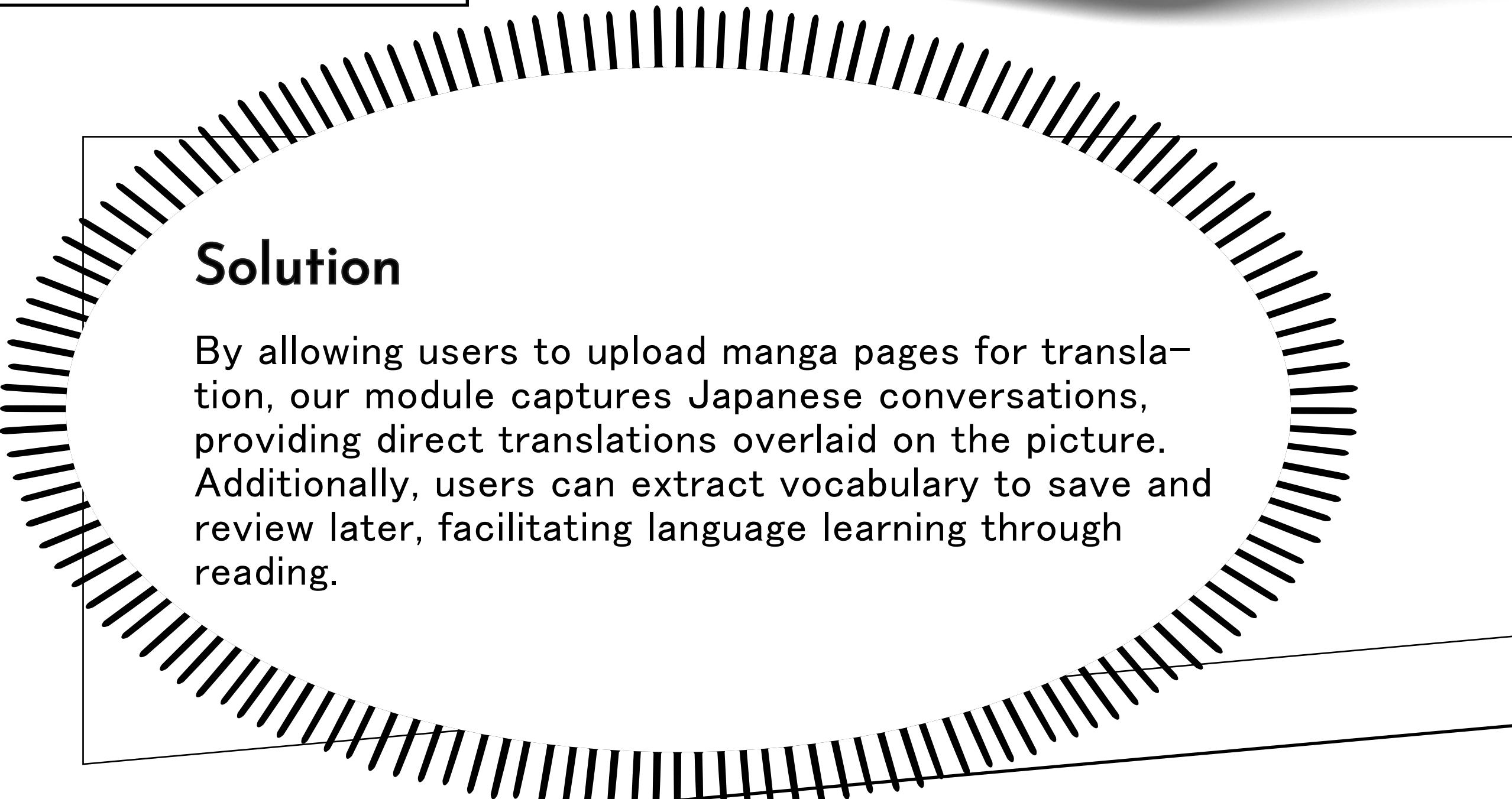
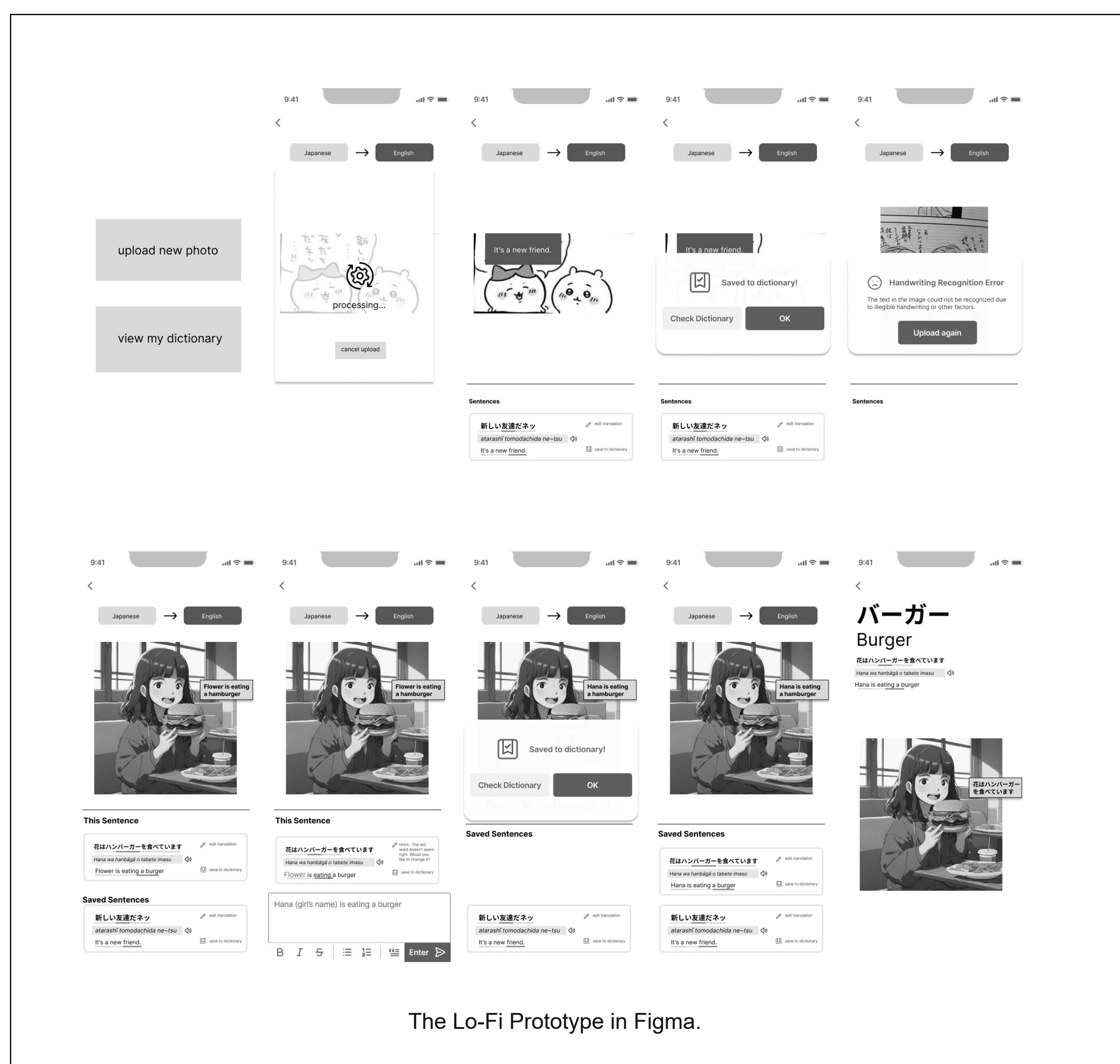
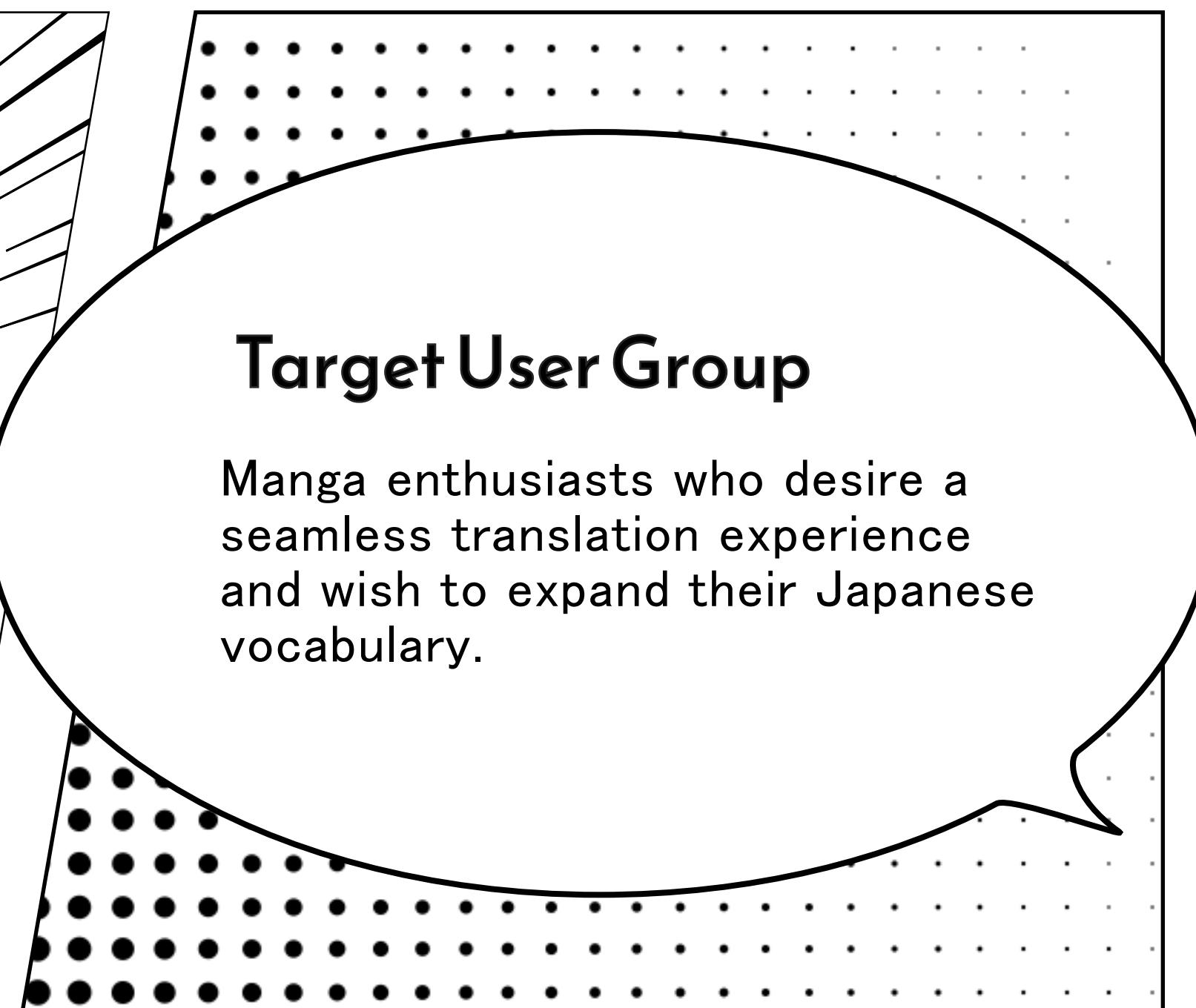
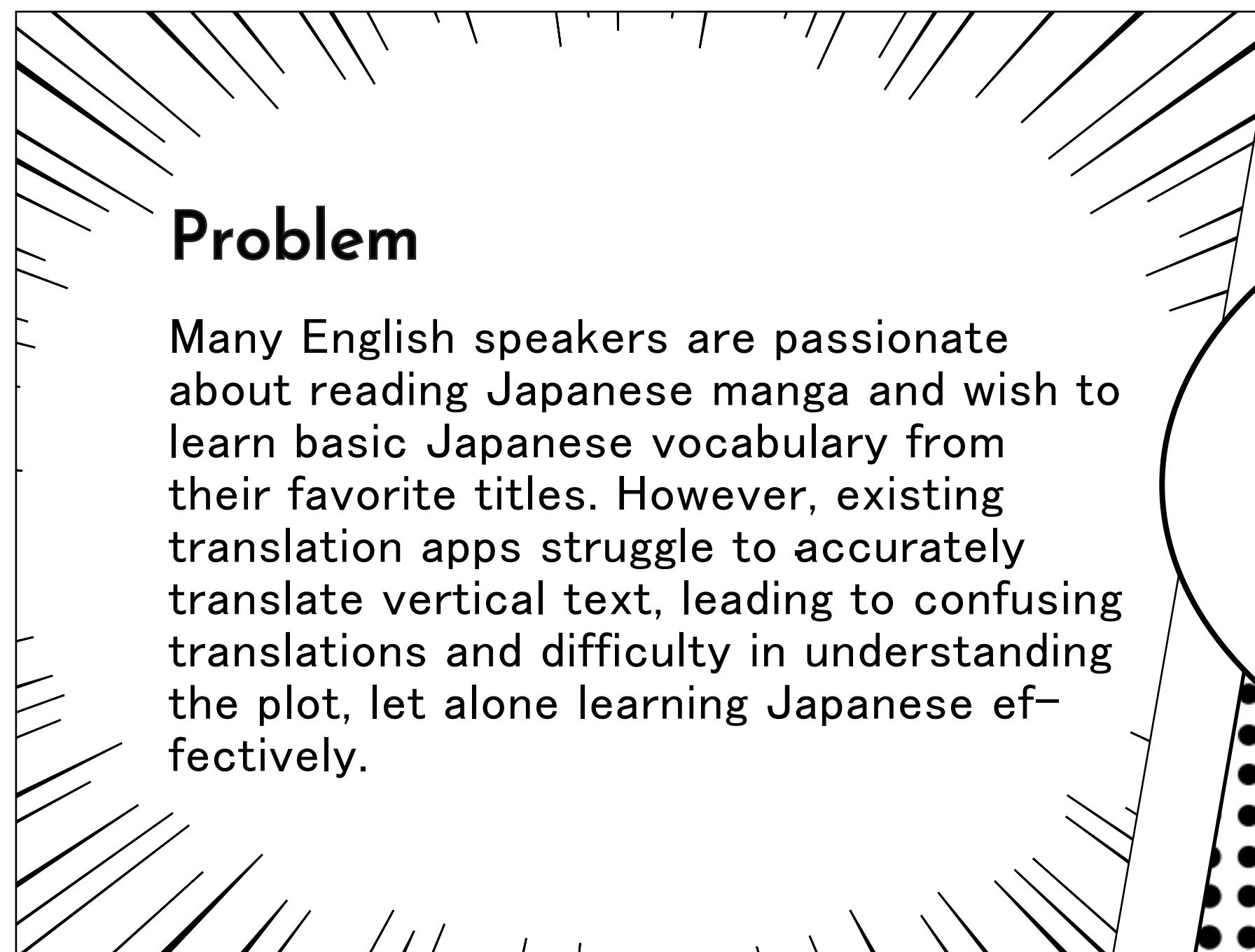


# MANGALINGUA

UC Berkeley  
CS160 2024 Spring  
User Interface Design

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Your AI Manga Translator & Japanese Learning Buddy!



## Final Prototype

### Manga Translation

Upon uploading a manga page, our computer vision module captures the vertical Japanese text, locating conversation bubbles. This data is then relayed to our ChatGPT model for translation and extraction of pertinent nouns and phrases. Users enjoy real-time translation overlaid onto the uploaded image, presented in a sentence-by-sentence format. Additionally, users have the capability to save vocabulary for further learning and review.

### Word Bank

Our platform empowers users to curate their own personalized word bank by saving vocabulary from their translation history. This sophisticated feature fosters Japanese language acquisition by enabling users to learn from their established habits.

In the future, MANGALINGUA aims to introduce advanced customization options for translation. Users will be able to specify preferences such as tone, dialect, or context, allowing for more tailored and nuanced translations.

