

Translation App Description

Our app, Visionlingo, is a language-learning tool designed for learners who want to improve their vocabulary and comprehension through visual association and interactive practice. Visionlingo targets language learners of all levels looking to expand their vocabulary through a visual lens, making it easy to connect everyday objects to words in their target language and reinforce learning through real-world context. Visionlingo offers an image-based approach to language learning that allows learners to take a picture of an object and instantly translate the object into their desired language. This translation will provide information about the word, such as the pronunciation and meaning in the target language. Our app will be similar to Google Lens, but instead of just identifying objects and providing information about them, Visionlingo will focus on translating those objects into a target language.

The core set of features that Visionlingo will provide are the following: a camera translation tool mentioned above that enables users to point their camera at any object, which the app will recognize and translate the object into the user's chosen language, complete with pronunciation, an example sentence, and definition of the word. The app will also include an interactive quiz that tests the user's knowledge of new words. Users can customize the quiz to focus on words they've scanned with the camera, or on entirely new vocabulary. Also, whenever the user shakes their phone, they will be given a random word to be quizzed on. Visionlingo will also provide customizable settings that allow users to change the theme of the app (i.e. main color of the app), choose their target language (we're thinking of only having a few languages), and set daily reminders. Lastly, Visionlingo will also have a personalized vocabulary list, where users can save and review translations they obtained from the camera translation tool.