

Anki Auto-lookup

A convenient tool for English learning

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Motivation

Anki: A cross-platform flashcard application, which supports images, HTML, $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$, audio, etc.

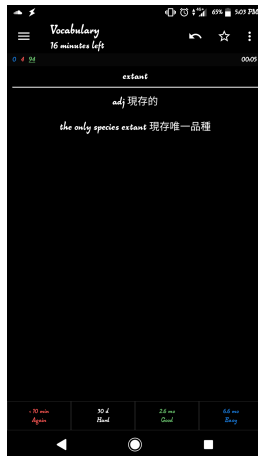


Figure: Anki on Ubuntu and Android.

Motivation

- ❶ It is time-consuming to add new cards.
- ❷ More detailed definitions and example sentences are needed.
- ❸ Anki provides an API that can modify and add cards.
- ❹ Unknown words keep interrupting us while reading articles.

Tasks

- ❶ A crawler to lookup definitions, pronunciation, and example sentences.
- ❷ Automatically add cards to our deck.
- ❸ Analyze an article, find difficult words and look them up.
- ❹ Find words in a picture (e.g. a picture of a page in a vocabulary book), then look them up.