Initial Idea: KanjiHelper is a website that provides students an interactive way to practice converting hiragana to Kanji and vice-versa. It is based on websites like type racer which provide text and scans user input for the correct answer.

For practicing readings, the user would be given a sentence such as:

あの家の繁栄は大戦中からのことだ

The first kanji would be highlighted:

あの家の繁栄は大戦中からのことだ

And the user would be expected to type the corresponding hiragana, いえ, into an input box.

For practicing writing, the user would be given a sentence entirely in hiragana:

あのいえはんえいたいせんちゅうからのことだ

And the process would be simply swapped; the hiragana would be highlighted:

あのいえはんえいたいせんちゅうからのことだ

And the user would be expected to type the corresponding kanji character, 家, in an input box.

Other notes:

* It makes sense to start off with the kanji -> hiragana practice first, then move to the hiragana -> kanji side of things.
* Since the windows IME auto fills kanji given a hiragana reading, we should recommend that the user writes down the kanji on a physical piece of paper to reinforce their knowledge. A reach goal could be to somehow incorporate kanji handwriting recognition software such as icampusj.net’s tool at (<https://www.icampusj.net/u/ihwr.jsp>).
* Possibly use the MEAN stack for development?
* Hosted on AWS?