

# Book Cover Recognition

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## Summary

When visiting bookstores, people always want to find more details about the book they are interested. Generally, we want to know more comments on that book, we may also want to compare the prices for the same book from online stores. Therefore, the goal of our project is to provide readers with more book information by just taking photos of the book cover. In this way, people can make better decisions on taking books in the bookstore.

## Evaluation/ Validation Strategy

We are detecting book title, author name and other details from pictures of book covers and verify the extracted text with the original one.

## Overview of Algorithms

- 1) Image Processing: We will preprocess the captured image of book covers. It will include de-skewing, detecting regions, bounding boxes and merging the images.
- 2) Optical Character Recognition
- 3) Typo Correction

## Potential References:

- Iwata, Kenji, et al. "Book cover identification by using four directional features field for a small-scale library system." Document Analysis and Recognition, 2001. Proceedings. Sixth International Conference on. IEEE, 2001.
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